ADMINISTRATION REPORT

OF

THE GOVERNMENT MUSEUM, MADRAS
THE NATIONAL ART GALLERY, MADRAS
THE GOVERNMENT MUSEUM, PUDUKKOTTAI

AND

THE CONNEMARA PUBLIC LIBRARY (EXCHANGE SECTION), MADRAS

FOR

1952-53

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SOME OF THE MUSEUM'S SERVICES.

The Madras Museum is open to the public every day in the week, except Friday, from 7 a.m. to 5 p.m. Admission is free.

It receives parties of school children and arranges facilities for guiding organized groups of visitors round the galleries.

It arranges demonstrations to teachers from various High Schools and Corporation Schools in the City.

It provides a special service whereby illiterate visitors are guided round the galleries and helped to understand the exhibits.

It conducts a practical training course in Museum Technique for teachers from various schools in the State every year during the summer months.

It welcomes co-operation with learned societies; the Archæological Society and the South Indian Society of Painters meet in the Museum. The Museum has a well-equipped theatre—the Museum Theatre—for educational lectures, dramatic entertainments, etc.

The Centenary Exhibition Hall is let out at a nominal rent of Re. 1 for meetings of cultural organizations and Rs. 2 for exhibitions.

It has large collections which are available for study by research workers, and helps students and laymen in identifying specimens of plants, animals, minerals, coins and pre-historic antiquities.

It offers for sale to the public coins, picture post cards, photographs and publications relating to the collections contained in the Museum.

THE NATIONAL ART GALLERY (MADRAS).

The National Art Gallery is open to the public every day in the week, except Friday, from 9 a.m. to 12 noon and 2 p.m. to 5 p.m. Admission is free.

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I

GOVERNMENT MUSEUM, MADRAS.

GENERAL.

The Museum Committee.—There was no change in the personnel of the Committee. It met four times during the year the most important matters considered being the loan of paintings to schools, the sale of casts of coins to schools, the constitution of an *ad hoc* Committee for the formation of a Children's Section in the Museum and the framing of rules for taking photographs of the exhibits in the Museum Buildings and the National Art Gallery, Madras and for the reproduction of photographs (please see Appendix VIII).

Distinguished visitors.—Among the distinguished visitors to the Museum, were Shri Sri Prakasa, Governor of Madras; Professor D. H. H. Ingalls, Chairman of the Department of Sanskrit and Indian Studies, Harvard University, United States of America.; Dr. P. H. Pitt, Curator, Indian Section, National Museum of Ethnology, University of Leiden; the students of the School of Wisdom, Theosophical Society, Adyar; Dr. A. Toussaint, Director of Archives, Port Louis, Mauritius; Lady Isobel Cripps; Mr. R. Colokovie, Federal Minister for Education, Leader of the Yugoslav Goodwill Mission; Dr. M. V. Krishna Rao, Minister for Education, Madras: the Japanese Industrial Mission and Dr. Stella Kramrisch, Professor of Indian Art, Calcutta University.

Honorary Correspondents.—I regret to report that one of our Honorary Correspondents, Sri P. V. Hanumantha Rao, Panyam P.O., Nandyal taluk (Kurnool district), died on 13th July 1952. Except for this loss there is no change in the list of our Honorary Correspondents. Several of the Honorary Correspondents rendered useful service to the Museum during the year. The proposal put up by Sri Sundararama Dutt, Honorary Correspondent, Nellore, for a district museum at Nellore is under consideration by Government.

Gifts.—Mrs. Kamala Rangachari made a gift of the following to the Museum, from the collection of the late Dr. S. Rangachari, the well-known Surgeon of Madras :—

1. **Apollino in marble.**—A copy (probably modern) of the Apollino, the earliest copy of which is in Florence. The original, which does not exist, was of the School of Praxiteles, 3rd century B.C.

2. **Aphrodite in marble.**—An 18th century French Pastiche of Aphrodite at the bath. It does not seem to be based on any definite Greek or Roman model.

3. **Aphrodite in marble.**—At bath, probably a Roman copy of the first or second century A.D. of the original by Doedalses of Bithynia, 3rd century B.C.

4. A pair of elephant tusks ornamented with white metal and framing an oval mirror.

Mr. M. Levi, c/o Messrs. Art Floorings and Construction Co., Bombay, presented to the Museum, a model of sailing ship.

Other donors were: Sri T. N. Sethuraman Chettiyar of Pondicherry; Sri L. K. Ramachandran of the Madras University Bio-chemical Research Laboratory; the Director of the Central Tobacco Research Institute; the Chief Research Officer, Central Marine Fisheries; the District Agricultural Officer, Madurai; Sri H. K. Ghosh, Mining Engineer, Neyveli, South Arcot district; Sri K. T. Kammaran Nambiar of Koodali, North Malabar; Srimathi Rukmini Devi, Adyar; Dr. Vimala Nair, Trichur; Sri N. Bhagawan Das, I.A.S., Collector of Srikakulam; Sri S. Muthukrishnan of the Survey of India and Dr. M. D. W. Jeffreys of the University of Witwatersand.

We are thankful to all the donors for their gifts (for details, please see Appendix III). The increasing number of donors is indeed a pleasing feature.

Course in Museum Technique.—Two batches of teachers were given intensive training in Museum Technique during the months of May and June 1952, each batch undergoing a fortnight's training in Museum methods in Zoology, Botany, Arcæology, Anthropology, Numismatics and Chemical Conservation. This course has now become a regular annual activity, which is being greatly appreciated.

Casts of coins.—To encourage students in the study of Numismatics casts of 32 selected coins of historical importance are being prepared. The coins selected are representative of the history of India from about 6th century B.C. to the times of the East India Company. The coins further represent the great dynasties of ancient India such as Indo-Greeks, Kushanas, Andhra Satavahanas, Guptas, Vardhanas, Rajputs, Eastern Chalukyas, Cholas, and Pandyas. The coins of Alauddin Khilji and Sher Shah, and of the great Moghul emperors are also included. The coins of the recent past that are included are of Vijayanagar kings, the Mysore Sultans, and those of Travancore, Cochin and the English East India Company. It is hoped that history will be more interesting to school children and kings and dynasties more real if these representations of coins become part of the visual aids in the teaching of history. Goverment have permitted the educational institutions to meet the expenditure that would be incurred for the purchase of cass from out of their audio visual education fee collections.

Exhibition of Paintings by School Children.—An exhibition of Children's paintings was arranged in the Museum on the occasion of the celebration of the Annual Day of the National Art Gallery. Government were pleased to sanction the conduct of the exhibition and funds to meet the cost of the exhibition including the 23 prizes. The exhibition was opened by Dr. M. V. Krishna Rao, Minister for Education, on the 1st of February 1953. One hundred and twenty-two schools from different parts of the State sent in a total number of about one thousand five-hundred pictures. The pictures were scrutinised by a Committee of judges consisting of the Hon'ble Mr. Justice P. V. Rajamannar, Sri R. Ravi Varma, Registrar of Madras University and Miss Ismena R. Warren, Art Teacher, Christian Literature Society. The competition was open to the school children of eleven age groups

between 5 and 16. Prizes were awarded for the best pictures in the above age groups. The exhibition had the most enthusi stic appreciation from the public, especially the schools. Over 24,000 vis.tors, mostly school children, visited the exhibition.

Loan of paintings to Schools.—The Museum C mmittee recommended that surplus paintings in t e reserve collection of the Art Section of this Museum, be lent to such Government colleges and Government training institutions as are willing to accept the responsibility of exhibiting and looking after them. It is proposed to offer on loan 232 paintings, to 16 schools suggested by the Director of Public Instruction on a rotation basis.

Ad hoc Committee for Chidren's Museums.—On the recommen lation of the Museum Committee, Government have appr ved the c nstitution of an *Ad hoc* Committee to work out details for the opening of a Children's Section in this Museum. The *ad hoc* Committee consists of the Director of Public Instruction and 1 teachers of the local school suggested by the Director of Public Instruction as members and the Superintendent, Government Museum, as Convenor. It is proposed to set apart a separate sec.ion exclusi ely for jun.ors, the collections being of direct educational use and interest to ouths. A note on Children's Museums (Junior Museums) of Europe and United States of America has been circulated among the members of the Comm.t.ee and their suggesti ns have been invited. The Executive Engineer has been requested to prepare the estimate for the remodelling of the Arc.æological shed for use as a Children's Section.

Special Exhibitions.—The following special exhibitions were held du.ing the period under report ;—

(1) Electroplated replicas of Gupta coins.

(2) Crystal relic caskets and beads, etc., from the Buddhist .stupa of Bhattiprolu.

(3) Edible sea-w eds.

(4) Some East India Company records.

(5) Marble sculptures and elephant tusks presented by Mrs. Kamala Rangachari.

Centenary Exhibition Hall.—Government, in G.O. Ms. No. 499, Education, dated 10th March 1952, accorded permission for letting the hall to cultural organization for holding their exhibition and meetings on a fee of Rs. 2 and Re. 1 respectively. The following exhibitions and meetings were conducted during the year under report :—

Art Exhibition by Sri K. Ramamurthi ..	From 27th June to 6th July 1952.
Meeting of the Ravi Varma Revivalists Association.	On 12th July 1952 and on 17th August 1952.
Exhibition of paintings by Kumari Y. G. Srimati opened by the Chief Minister of Madras.	From 24th August to 1st September 1952.
Exhibition of outstanding American Books, by United States Information Services, Madras.	From 22nd to 28th September 1952.
Exhibit on of paintings by Miss Augusta Mullikin.	From 12th to 19th October 1952.
Annual meeting of the Archæological Society of South India.	On 2nd December 1952.
Meeting of the Archæological Society of South India.	On 23rd February 1953.

Grants-in-aid.—In G.O. Ms. No. 2647, Education, dated 19th November 1952, Government sanctioned the payment of an annual recurring grant of Rs. 300 from the current year (1952-53) to the Numismatic Society of India, Bombay, towards the cost of publication of the journal of the Society. The Society supplies this Museum with ten copies of the journal free of charge. The Society advertises free of charge such treasure-trove coins as the Government may like to dispose of. In G.O. Ms. No. 1230, Education, dated 18th April 1950, Government also sanctioned the payment of an annual grant of Rs. 300 (Rupees three hundred only) for a period of 5 years in the first instance to the Museums Association of India, New Delhi, on behalf of the Government Museums at Madras and Pudukkottai, beginning from the year 1950–51, for carrying on its activities.

Tribal Conference, New Delhi.—I was deputed by Government to attend the Tribal Conference called together by the Union Government, Ministry of Home Affairs. The Conference met at New Delhi from 7th to 9th June 1952.

NEW ADDITIONS TO THE COLLECTIONS.

Zoology.—A limited number of zoological specimens were acquired for the Museum during the year. Among them are a very fine pair of large ornamented elephant tusks (*Elephas maximus*) with an oval mirror and mounted on a wooden stand presented to the Museum by Mrs. Kamala Rangachari from the collections of the late Surgeon Dr. S. Rangachari. A single valve of the rare shell *Tridacna sp.* and a horn of the Indian Rhinoceros, *Rhinoceros unicornis* were presented to the Museum by Sri T. N. Sethuraman Chettiyar of Pondicherry. A specimen of the seasnake *Hydrophis obscurus* was presented to the Museum by Mr. L. K. Ramachandran, Research Assistant, University Biochemistry Laboratory, Madras. A specimen of the green tree snake *Dryophis mycterizans* was collected by the Curator in the Museum compound. A specimen of the saw-scaled viper *Echis carinata* was presented to the Museum by a visitor. A specimen of a cobra *Naia tripudians*, two specimens of the common krait *Bungarus cæruleus*, a specimen of the green tree snake *Dryophis mycterizans*, and one specimen of the saw-scaled viper *Echis carinata* were purchased for gallery Exhibition and reserve collection.

Botany.—Nine different, dummy cigars in duplicate, sample of tobacco seed oil, and cigarette tobacco seeds (by name Chatham) with a (dummy) packet in which they are sold were received free of cost from the Director of the Central Tobacco Research Institute; Rajahmundry, seven dry and ten formalin specimens of sea-weeds of economic importance, and 11 dry specimens of edible sea-weeds were received free of cost from Dr. N. K. Panikkar of the Central Marine Fisheries, Mandapam Camp, South India; five specimens pertaining to the manufacture of rayon from bamboo were presented by the National Rayon Corporation, Kalyan; and two specimens of yarn and fibre of Aloe sp., were presented by Sri Gujjala Thumma Reddy of Kurnool district; 4 shoots of seedless grapes were procured free of cost from the District Agricultural Officer, Madurai; one specimen of sphaeranthes was collected by the Superintendent, and added on to the reserve collections. A fine grass silk mat of Pattamadai was purchased for Rs. 25 for the galleries. Eight different oil-seeds were procured from the Forest Department, through the kind courtesy of the Forest Utilization Officer, Madras, at a total cost of Rs. 2.

Geology.—Seventeen specimens pertaining to lignite and thirteen specimens of potteries (made of the potters' clay that occurs at Neyveli) were obtained free of cost from Sri H. K. Ghose, Officer in-charge, Lignite Mines, Neyveli, South Arcot district. Included among them were specimens of lignite, some with, and others without, decaying plant materials, montan wax, fire clay, etc. Seventy-eight specimens, three charts and fifteen photographs, all pertaining to the glass industry were procured from the Glass Technologist at Gudur, at a total cost of Rs. 100. They include different coloured block glasses, and specimens to illustrate the stages in the manufacture of Tarapore and Belan bangles, glass beads and laboratory glassware.

Anthropology.—A painted wooden shield, a wooden club and a wooden sword were presented to the Museum by Sri K. T. Kammaran Nambiar, Koodali, North Malabar. A model of a sailing ship, the privateer "Flame" a brig-rigged armed merchant vessel of about 150 tons was obtained by exchange from the City of Liverpool Public Museums. A 2 feet model of a fully rigged sailing ship was presented to the Museum by M. Lev , Esq., through the courtesy of the Director-General of Shipping, Bombay. A copper "Yantra" 3″ × 3″ with Tamil characters inscribed on it was obtained from Mr. N. Bhagawan Das, I.A.S., Collector of Srikakulam and Honorary Correspondent of the Museum. A Japanese sword 94 cm. long, single edged, was presented to the Museum by Mr. S. Muthukrishnan, B.A., Survey of India, Dehra Dun, as a Souvenir from the Burma Area Command in 1946. A bushman bull roarer was presented to the Museum by Dr. M. D. W. Jeffreys, University of Witwatersrand, South Africa.

Numismatics.—One hundred and sixty-seven gold coins, four silver coins and one copper coin were added during this year. Details are given in Appendices I and III.

Archæology.—During the year 163 items were added to the collections of of the Archæological Section. From treasure-trove finds were acquired 33 metal images, six soap stone figures, and five metalware articles; one metal image, copies of three panels of ancient Travancore mural paintings and one illustrated Persian manuscript were added by purchase; three Italian marble sculptures were obtained as donations from Mrs. Kamala Rangachari, wife of the late Dr. S. Rangachar ; 103 items of wood carvings were also got as presentation from the Trustee of the Tanjore Palace Devasthanams; one incomplete copper-plate grant was received from Sri Bhagawan Das, I.A.S., and two early Chola sculptures of Kodumbalur, were added by transfer from the Government Museum, Pudukkottai (*vide* G.O. Ms. No. 240, Education, dated 6th February 1952).

Three stone sculptures (Subrahmanya No. 2693, Bhairava No. 2694, and Vishnu No. 199/47) and three Tanjore style paintings (Member of Tanjore Royal family, No. $\frac{176-(\ )}{43}$; Bust of a man, No. $\frac{171-(34)}{43}$; and Bust of a man, No. $\frac{171-(36)}{43}$) were given away to the Museum and Picture Gallery, Baroda, in exchange for twenty-two Rajput and Mughal paintings got from that institution for the National Art Gallery (*vide* G.O. Ms. No. 1567, Education, dated 10th July 1952).

RESEARCH AND PUBLICATION.

Zoology.—The monograph. *Amphineura and Gastropoda of Krusadai Island* by the former Curator for Zoology, Sri S. T. Satyamurthy, was published during this year as Volume I, No. 2, Part 6 of the Madras Museum Bulletin. The next in the series of Natural History Bulletins by the same author *Scaphopoda, Pelecypoda and Cephalopoda of the Krusadai Island* is ready for the press. Another paper *the Cirripedia of the Madras Coast* by Sri A. Daniel, M.SC., is being scrutinized for publication. A descriptive handbook of the Zoological Galleries is in preparation.

Botany.—The Curator is continuing his study of ferns, but the progress is somewhat slow for want of time. His account of the abnormal inflorescence of a drumstick tree at Saidapet, Madras, was published in the Journal of the Bombay Natural History Society. The botanical and geological parts of the proposed handbook on Museum Technique is being revised.

Anthropology.—The revised edition of Professor P. Sambamoorthi's catalogue of the "Musical Instruments in the Madras Government Museum" is ready for the press. Research work could not be continued during the year under review as the Curator was in additional charge of the Zoology Section of the Museum. The Curator contributed an article on "Arms" for the Tamil Encyclopædia. The Anthropological part of the handbook on Museum Technique for teachers is being revised for publication.

Archaeology.—The study of Jain sculptures and of the copper-plate grants was continued. "Guide to the Buddhist Antiquites" and "Indian Epigraphy and South Indian Scripts" were published during the year. The manuscript of "The Nagapatam and other Buddhist bronzes in the Madras Museum" by Sri T. N. Ramachandran was sent to the press.

EDUCATIONAL WORK.

Reference has already been made above to the course of training in museum technique given to two batches of teachers.

Demonstration to school teachers.—Nineteen teachers belonging to eight City High schools attended the demonstrations in Anthropology, Archæology, Zoology, Botany and Numismatics on five consecutive Saturdays from 11th October 1952.

Popular lectures.—Popular lectures by specialists in various subjects were arranged under the auspices of the Museum, at the Museum Theatre. The six lectures were—(1) Birds of Madras City; (ii) The baby before birth; (iii) Meteorites and their significance; (iv) Recent advances in Chemistry; (v) Coinage in Evolution and (v) You and Wood.

The Superintendent, Government Museum, Madras, gave a series of twelve lectures and demonstrations to the University Students undergoing the Diploma and Certificate courses in Anthropology during the year. The above students were also afforded facilities for examining and studying ethnographic materials and prehistoric antiquities in the Museum in connection with the above series of lectures and demonstrations.

The Curator for Anthropology addressed the Biological Association of the Government Arts College, Madras, on Glimpses of Tribal Life in Southern India and the Zoological Society of the Presidency College, Madras, on Head Hunters Ancient and Modern. Both the above lectures were illustrated by lantern slides.

Tho Superintendent addressed the Citizenship Training Camp of Teachers at Adyar on 29th July 1952 on the subject of "Museums and Hobbies"; he spoke to the College Assembly of the M dras Women's Christian College on "A Survey of the Madras Museum" and gave a radio talk on "Ancient Weapons".

Facilities to Research workers, etc.—A catalogue of the swords in this Museum was prepared and sent to Sar'ar A. A. Patil, I.A.S. A note on the Singbhum skulls was prepared and sent to Mr. G. N. Das, M.A., Resea ch Scholar, Cuttack. Miss Jean Merril and Miss Ronnie Solbert, Fulbright Scholars, doing research on Folk Art were afforded facilities for studying and sketching the brass images of the Khonds of Ganjam and the clay and wooden figures worshipped by the sea-fishermen o' Ganjam, Orissa.

Two specimen's of *Bungarus caeruleus* from the collections of this Museum were sent on loan o M:. P. E. P. Derani agala, Director of National Museums, Colombo, Ceylon, for research purposes.

Help was given to Dr. Stella Kramrisch of the Calcutta University and to Mr. Moti Ram Jain of the Information and Broadcasting Department, Government of India, in photographing some objects of the Archaeological Section.

Sri Hari Rao of Saidapet, Madras, Dr. P. S. Chandrasekhar, Retired Director of the Madras Tuberculosis Institute; Sri A. T. A. Kovoor of Ceylon; Mr. Moti Ram Jain of he Info mation and Broadcasting Department of the Government of India; Mrs. P. Jayakar of the Board of Cottage Industries, Government of Bombay; Dr. L A. Ramdas of the Department of Agricultural Meteorology, Government of India; and the Editor of the Encyclopaedia Hebraica, Jer salem, were rendered help or assistance in different ways by the Curator, Botany Section.

One specimen of a mineral combination of several species of quartzwas identified for a teacher from the Mu i ipal School, Nagapattinam. Sri R. D. Ko'andavelu, a Building Engineer and Contractor of Tanjore, was given the necessary help to identify three of his sandstones.

Miss Vanaja, a research student of the Presidency College Research Section, was allowed to study the punch-marked coins collection of this Museum for her thesis for the M. Litt. degree. She has been given all fa iliti s for her study.

Mr K. J. Joseph, Curator of t' a Fisheries Museum and Aquarium of the Department of Fisheries, Madras, was given training in taxidermy and preservation work for a period of three months on deputation by the Director of Fisheries, Madras.

Gifts to schools.—The Women's Welfare Department was given a set of the Andhra lead coins and two Chola Raja Raja copper coins. Andhra lead coins are being sent to schools approved by the Director of Public Instruction in batches f four schools at a time.

Gift parcels containing pre-historic antiquities, fossil wood, Andhra lead coins, miscellaneous named collections of shell , etc., were presented to the following scho ls during the year:—

P.K.N. High School, Tirumangalam; S.Rm. High School, Nattarasankottai; Margoschis High School Nazareth; Wesley High School, Royapetta; M.D.T.H. Hindu College High School, Tirunelveli; Tilak Vidyalaya, Kallidaikurichi; C.A. High School, Ayakkad; Rajah's High School, Kollengode;

Pandit Motilal Municipal High School, Palghat; Nurni Hindu High School, Palghat; High School, Shoranur; Sri Brahadambal High School, Pudukkottai; Sri Saraswathi High School, Kosapet; Sivakami Ambal High School, Rangiam; Sarada Middle School, Pudukkottai; Kulapathi Baliah Middle School, Pudukkottai; Rajah's High School, Chirakkal; B.E.M.P. High School, Tellicherry; B.H. School, Payyanur; B.H. School, Cherukunnu; M.H. School, Cannanore; Government Fisheries Technical High School, Madapalli; Moothedat High School, Taliparamba; Government Muslim High School, Vellore; Municipal High School, Gudiyattam.

WORK IN THE GALLERIES.

ZOOLOGY.

As the vacancy of the post of Curator, Zoological Section, has not yet been filled up, only the routine work of the Section is being done.

An ornamental pair of elephant tusks (*Elephas maximus*) presented to the Museum by Mrs. Kamala Rangachari were cleaned and renovated by the Curator for Chemical Conservation and exhibited in the Elephant gallery. The newly acquired specimens of the cobra *Naia tripudians*, the Common Krait *Bungarus Caeruleus*, the green tree snake, *Dryophis mycterizans*, and the saw-scaled viper *Echis Carinator* were mounted in spirit and exhibited in the Snakes Section of the Reptile Gallery after removing the old and faded specimens to the reserve collection.

Improvements.—The following exhibit cases and the exhibits therein were renovated and re-exhibited during the year:—(1) Mimicry in Butterflies, (2) The long horned grasshopper, (3) The leaf insect, (4) The stick insect, (5) The dead-leaf butterfly, (6) Mimicry in spiders, (7) Warning coloration and (8) Butterflies. The exhibits were renovated, faded and damaged exhibits replaced from reserve collections and the background cloth lining cleaned and painted so as to give a natural setting, the cases varnished and new labels provided.

Labelling.—Forty-five new labels were added to the Zoological galleries. These include such of those labels which were printed for the renewal of old and faded labels. Most of them are of the technical names of their groups while some include general descriptive labels and labels indicating the common names of the exhibits.

BOTANY.

Additions to the galleries.—Five photographs and charts of insectivorous plants and the structure of a typical flower (prepared for the Centenary Exhibition), as well as specimens of seed-bearing plantains and plantain seeds were added to the Systematic Botany galleries. One fine grass silk mat of Pattamadai was our chief addition to the Economic Botany galleries.

Improvements to the galleries.—A sub-section of edible sea-weeds was organized in the Economic Botany galleries. All the old tobacco exhibits were withdrawn, and better ones were exhibited in their place. A larger show-case was made for the model of the handloom.

Labelling and Preservation.—Two of the 4 shoots of seedless grapes that were received from Madurai, were preserved dry on herbarium sheets, and the remainder were treated for colour retention and preserved in formalin. Twenty-nine samples of oil-seeds were poisoned with an alcoholic solution

of corrosive sublimate. A bunch of seed-bearing plantains and a small quantity of their isolated seeds, eleven edible sea-weeds and Thirteen sea-weeds of economic importance, a small quantity of tobacco seeds and nine dummy cigars, were neatly mounted for display; twelve labels were painted and 22 were written out, for the various specimens and groups of specimens. Legends were written out for 57 photographs in the albums, and index cards were prepared for 80 exhibits in the Botany galleries.

GEOLOGY.

Additions to galleries.—A specimen of lava from the Vesuvius was exhibited in the show-cases for General Geology. Specimens of bauxite, kaolin, Fuller's earth, spodumene, rich scheelite ore, scheelite, and wolfram (the last three from Australia) were exhibited in the show-cases for Mineralogy. A mineral map of India (scale: 1"—128 miles) was suitably framed and hung up in the galleries. One serpentinous stone was studded against the wall, completing the symmetrical arrangement of similar stones in that part of the galleries. Eleven specimens illustrating the manufacture of porcelain, a specimen of blue quartz from Africa and another of jose te from Australia were exhibited in the show-cases for Economic Geology galleries.

Improvements to galleries.—A sub-section of porcelain industry was organized in the Economic Geology galleries.

Labelling and preservation.—Thirteen specimens of potteries from Neyveli, which were not baked enough, were strengthened with shellac. Two lignite mining charts that got stained at the Centenary Exhibition in 1951, were copied afresh, after making a few futile attempts to remove the stains.

Three samples of bauxite, kaolin and Fuller's earth, and a map showing the distribution of lignite and iron ore areas in South India, were mounted.

Forty-five fresh labels were prepared for new specimens, of which 30 were neatly written out and 15 were painted. Legends were written out for 33 photographs in the album. Index cards were prepared for 200 exhibits in the galleries.

ANTHROPOLOGY.

Additions to the galleries.—The horn knuckle dusters used by the Jettis of Mysore, a caste of professional wrestlers, a Srichakra or yantra in the form of a pyramid of brass, another Srichakra or yantra in the form of a square copper plate with Tamil inscriptions on it and a Bushman bull-roarer used by the tribe in the initiation ceremonies of their youth were exhibited in the ethnology gallery with suitable labels.

Improvements to the galleries.—Repairs were carried out to the screen of the Kathakali figures. The cords working the screen were worn out and were completely renewed and put in working order. The Adichanallur lamp-hangers were exhibited inside a vertical case which was specially painted and varnished for the purpose. The following nine musical instruments were repaired and reconditioned by the musical instruments maker Mr. M. R. Balakrishna Naidu;—(1) & (2) Nagaswarams, (3) Ottu, (4) Mukhavina, (5) Mugudi, (6) Mounted conch, (7) Kombu, (8) Buri, and (9) S. shaped horn.

Labelling and preservation.—The votive offering sandals were given preservative treatment and re-exhibited in their exhibit case. The seven newly acquired shadow play figures from Angkor Vat were given preservative treatment before storage. The Adichanallur lamp hangers were given preservative treatment by the Curator for Chemical Conservation. the arms

gallery exposed exhibits are being systematically renumbered. Fifty-one trilingual labels were put up, 25 for the Toda case exhibits, 8 for the Gramadevata case exhibits and 18 for cases in the Pre-historic antiquities galleries.

ARCHÆOLOGY.

Additions to the galleries.—The two early Chola sculptures got by transfer from the Government Museum, Pudukkottai, were exhibited in the New Extension Chola bay, in the places where the figures of Kaumari and Durga were shown. The latter figures were removed to and exhibited in the Hindu sculpture gallery. The copies of mural paintings from Sigiriya were shown in the Centenary Exhibition Hall whenever the Hall was not engaged.

Improvements.—The stains caused by rain water in the distempered parts of the show cases in the metalware gallery were removed. The stains caused by rain water in the drill cloth in the metal images show cases were also cleaned. The black paint on the twelve remaining items of show cases in the metalware gallery was removed.

Labelling and preservation.—Old and spoiled labels numbering 45 in the New Extension, Hindu Sculpture gallery and the Buddhist and Jain sculpture galleries were replaced along with seventeen label brackets which were broken or otherwise damaged. Labels numbering 35 of the Vaishnavite metal images, of which the calico binding was spoiled by insects were rebound and exhibited. The work of rebinding the lables in other rooms of the metal images gallery is on hand.

In this section 40 wood carvings and 15 metal images were cleaned as advised by the Curator, Chemical Conservation Section. Thirty metal images, three marble sculptures and two Chola sculptures were sent to Chemical Conservation Section for cleaning. Besides, periodically the paintings, the manuscripts and wood carvings stored in the two rooms of the Curator and the Godown were examined and preservatives applied to them.

RESTORATION AND PRESERVATION DONE IN THE CHEMICAL CONSERVATION SECTION.

During the period under review, six bronze objects were restored by the electrolytic process and were given preservative coatings after treatment.

Twelve bronze puja vessels were treated and restored by chemical methods. Four brass vessels were restored by dilute acetic acid treatment. A bronze prabha which could not be electrolytically treated was partly restored by the application of dilute acetic acid and citric acid. Three copper plate grants were restored by treatment in 10 per cent acetic acid.

Ten iron implements were cleaned by treatment in hot caustic soda solution (10 per cent). They were given preservative coatings of paraffin wax dissolved in benzene.

Five silver coins were restored—four by means of hot formic acid (10 per cent—15 per cent) and one by ammonium hydroxide followed by potassium cyanide (2 per cent solution). Four copper coins were treated by alkaline Rochelle salt.

Three stone sculptures were treated by the 'pulp method' for removal of salts in the tiny crevices and strengthened by the application of celluloid varnish.

Two elephant tusks were cleaned by ammoniacal hydrogen peroxide and liquid soap.

Three marble statues were brightened by a paste (alcholic) containing soap, whiting and a little sodium carbonate.

One hundred and forty-eight wooden car panels which had a thick coating of tar were restored by treatment in hot dilute sodium carbonate solution.

Four printed labels which had become fogged were treated by a combination of bleaching powder bath (one per cent) and dilute hydrochloric acid bath.

Help to schools.—Two batches of teacher trainees were given instructions about "Technical methods in the Preservation and Conservation of Museum materials".

Research. etc.—As sharp variations in temperature would be detrimental to paintings in the long run a thermograph (taken on loan from the India Meteorological Department) was set up in the National Art Gallery for a period of three months and similarly in one of the galleries of the main buildings for a period of three months to find out the position in these galleries. The hourly recordings showed that the variations in temperature were smooth and slight. The subject of metallography was being studied to find out the microstructure of ancient alloys and coins. The possibilities of utilizing latex for taking moulds of images and coins were also under investigation. The activities of the children's section of the various museums were being studied in connection with the organisation of a 'Children's section' in this Museum.

Work in the galleries.—The galleries were periodically inspected and restorative treatments carried out wherever necessary.

PHOTOGRAPHIC WORK.

Botany.—Two photographs, one of the section of a large teakwood trunk and the other of the section of a large rosewood trunk were prepared.

Archæology.—During the year 1952–53, 98 half size photographs, seven quarter size ones and twenty-seven films were prepared for the section.

Anthropology.—Three photographs, one each of the Swaramandala. Burmese Harp and Naduni were prepared for publication.

Chemical Conservation.—Three photomicrographs of sections of ancieut bronzes were taken.

PLANS FOR THE YEAR 1953–54.

Zoology.—The routine preservation and collection of specimens will be continued along present lines. The collection of new specimens for the reptile gallery to replace old and faded specimens is to be continued. The colour schemes for the bird and mammal galleries will be continued. Educational activities, facilities for research scholars, exchanges, etc., will continue along present lines.

Botany.—Some more specimens of tobacco industry will be procured. Specimens of sandalwood industry, bleached lac, silk lac, oil seeds and seaweeds of economic importance will be displayed in the Economic Botany galleries. Three enlarged models of the trap mechanism in insectivorous plants will be exhibited in the Ecology galleries. A working model to demonstrate pollination in Salvia flower will be so put up in the galleries. A

sub-section of sea-weeds of economic importance will be opened in the galleries. Study of the ferns of the Madras State will be pursued, in spite of want of time for it. Two special exhibitions of lac and lac products, and of cinchona will be conducted.

Geology.—Efforts will be made to procure a few minerals with radio-active elements. Maps of the world at different geological periods, and specimens of the glass industry and of South Arcot lignite will be exhibited. A sub section of South Arcot lignite will be organized, and exhibition of the phenomenon of fluorescence will be arranged for. Preparation of index cards for the exhibits will be continued. Two special exhibitions of South Arcot lignite, and of fluorescence will be conducted.

Anthropology.—The preparation and exhibition of trilingual lables giving more detailed information for all exhibits which lack them is to be continued. The renovation of the existing exhibit cases by cloth lining and painting with distemper is to be continued for such of those cases which have not been thus treated so far. Plans for the utilization of old cases by renovating them and making them serviceable are under consideration.

The exhibition of selected stone age implements from the foreign collections of the Museum is proposed. Exhibition of the newly acquired ship models and the lake village is proposed. Collection of Australian and oceanic ethnographic materials is expected through exchange channels. Collection of some Nilgiris ethnographic materials is envisaged.

Numismatics.—The work of transferring coins from the Accession Register to the Stock and Sales Registers will be completed during the year 1953–54.

It is proposed to hold six special exhibitions. The following items have been selected for this purpose.—

(1) A set of Vijayanagar coins.
(2) A set of Chola coins.
(3) A set of Roman coins.
(4) A set of historical documents and seals.
(5) A set of medals.
(6) A set of East India Company coins.

Metal casts of a set of the coins of India representing the important dynasties and periods of Indian history from the times of Panini to the days of the English East India Company will be prepared by this section for sale to the schools in this State. This work has been undertaken in furtherance of the scheme of visual aid in the teaching of history in schools.

The Tanjore hoard of Chinese coins numbering about 1,800 coins have been received back from Prof. Bagchi to whom they had been sent for identification. After selecting what is required for the coin cabinet of this museum, the rest will be distributed to museums in other States.

Archæology.—During the year 1953–54 an attempt will be made to acquire some architectural pieces such as composite and ornate pillars of the Vijayanagar period and corbels, etc., of the Modern period. Selected items of temple utensils cleaned recently, the stone image of Jyestha got from Mylapore, and the paintings reserved for the Museum will be added to the respective galleries of the Archaeological Section. An attempt will be made to reduce the number of exhibits in the various groups in the metalware gallery which is at present somewhat crowded. To start with duplicate and ordinary toys of little merit will be removed from the show cases and stored.

Trilingual labels will be provided for the Buddhist metal images from Nagapattinam and for the carvings in wood, ivory and coconut. The paper on Jain sculptures will be finished while the study of the copper-plate grants will be continued. The following special exhibitions will be held during the coming year; (1) The groups of Saivite metal images got from Semangalam, Tanjore district, (2) copies of Travancore mural paintings, (3) a select set of wood carvings from Koyambedu near Madras and Ramanathapuram district; and (4) the four stone sculptures representing *dikpalakas* got from Wandiwash.

GOVERNMENT MUSEUM, MADRAS
21*st May* 1953.

A. AIYAPPAN,
Superintendent.

II

THE NATIONAL ART GALLERY, MADRAS.

The Government in G.O. Ms. No. 437, Education, dated the 4th March 1953, extended the term of the National Art Gallery Committee for a period of one year from the 27th November 1952. The Committee met seven times during the year to transact important items of work. For reasons of health Dr. J. H. Cousins resigned his membership of the Committee of the National Art Gallery, Madras. The Government accepted his resignation with effect from 28th March 1953 after placing on record their appreciation of the valuable services rendered by Dr. Cousins as a member of the Committee, in the selection of the exhibits, their arrangement in the Gallery and generally in all matters which came up before the Committee, both before and after the inauguration of the National Art Gallery. In the same Memorandum No. 54572 E/52-8, Education, dated 28th March 1953, the Government appointed Sri K. Ram Mohan Sastri as a member of the Committee in the place of Dr. Cousins.

During the year several distinguished persons, both Indian and foreign, visited the Gallery. Shri Sri Prakasa, Governor of Madras; Lady Isobel Cripps; Dr. C. P. Ramaswamy Iyer; Shri Bishnu Ram Medhi, Chief Minister of Assam; Mr. Justice and Mrs. K. M. Wanchoo, the Chief Justice of High Court of East Punjab; Dr. U. Krishna Rao, Minister for Industries and Transport; Mr. A. G. Fink, Professor of Philosophy, San Fransisco State College; and Mr. Daniel H. Ingalls, Professor of Sanskrit, Harvard University, Cambridge, Mass. U.S.A.; were among the most important of the visitors. Besides these, the Goodwill Mission from Yugoslavia and the Press delegation from Australia also visited the Gallery.

During the year, fifty-two exhibits were added to the collections (for details see Appendix III). Of these, twenty-two paintings in the Rajput and Mughal styles were got in exchange for three stone sculptures and three Tanjore paintings from the Museum and Picture, Gallery, Baroda; one Rajput painting was presented by Srimati Rukmini Devi of Adyar; Madras; two crayon and water colour studies, one of a youth, and the other of a lady, done by the late Dr. A. R. Poduval of Trichur were presented by his daughter Dr. Vimala Nair of Trichur; and 26 paintings including an oil painting entitled "The Temple Steps" by Shri D. P. Roy Chowdhury and

a sculpture in bronze entitled "The Victims of Hunger" also by the same master were purchased. Besides, eighteen volumes containing samples of textiles were transferred from the Connemara Public Library to the National Art Gallery.

In response to our request for free catalogues and other publications on the art subject in their collections, Art Galleries, Art Associations and Museums numbering 16 from Europe, 25 from America and one of India have sent in all told over 140 guides, catalogues and pamphlets. Our grateful thanks are due to all these institutions for their generous gesture. We are particularly beholden to the British Council, Madras Branch, who through the good offices of the Council's Regional Representative, Mr. S. C. G. Bach, have been good enough to offer as gift to the National Art Gallery, colour prints, lithographs and ganymed facsimiles worth about Rs. 1,650. They are expected to reach us in the near future. These lithographs, etc., and the guides mentioned above are being got together for the organization of a Students Room.

The arrangement of the exhibits remained unchanged during the year and the recently acquired objects are being made ready for exhibition. Two large sloping show cases with provision to exhibit paintings both on their vertical and sloping segments and with drawers to store duplicate specimens were made. It is proposed to exhibit smaller paintings in these show cases. According to the advice of the Committee, the two centre lights were removed from the room where the paintings by Ravi Varma are shown and instead four lights were fitted up, with arrangement to focus the light on the paintings.

The total number of visitors during 1952–53 was 60,768, the daily average being 194.

A few opinions of distinguished visitors are given below to show how the National Art Gallery though in its beginning stage, is being appreciated:—

Shri Sri Prakasa, on 3rd November 1952—

"It was a real delight to visit this Gallery and think of the days of long ago when men could conceive so grandly and create so magnificently."

Dr. C. P. Ramaswami Aiyar, on 13*th January* 1953—

"I visited this National Gallery with an American friend and was impressed with the neat arrangement and choice selection of sculpture and textiles and paintings. This is a fine cross section of Indian Art."

Mr. Douglas Barrett, Assistant Keeper, Department of Oriental Antiquities, British Museum, London, W.C. 1., on 2nd May 1952.

"I have just returned to England after a most successful tour of India and Ceylon. I would like to say how grateful I was for your kindness and courtesy when I visited your Museum. I should also like to add that the arrangement and display of your wonderful collections, most especially as the Art Gallery, seem to me to be the best in India and, indeed, as good as I have seen anywhere. I only hope that you continue to receive every support and encouragement from the local authorities who are being served so well."

Mr. K. P. Khaitan, Vice-Chairman, Board of Trustees, Inian Museum, Calcutta, on 11*th September* 1952—

"The collection here, though small, is of very great interest. The arrangement is helpful and the attention to visitors is courteous."

Lady Cripps, *on 26th February* 1953—

"A most enjoyable visit. I hope the Museum and National Art Gallery will be able to readily increase their treasures which mean so much in education."

NATIONAL ART GALLERY, PANTHEON ROAD,
MADRAS-8.
21*st May* 1953.

A. AIYAPPAN,
Superintendent.

III

GOVERNMENT MUSEUM, PUDUKKOTTAI.

GENERAL.

Visitors.—The Museum is gaining in importance and popularity as will be seen from the increase in daily average attendance from 419 in 1951–52 to 424 n the year under review. The percentage of literate visitors was also 24·06 as against 21·30 last year. Seventeen distinguished visitors and thirty-three educational institutions were benefited by their visit.

Extra-mural activities and assistance to institutions.—On 2nd July 1952, I addressed a gathering on the importance of Tree-planting in the National Tree-planting Week Celebrations conducted by the Pudukkottai Muncipality. 'Vanamahotsava' was celebrated in the Museum by planting twelve saplings in the gardens.

On 8th October 1952, during the compost week celebrations organized by the local Municipality, I gave a talk on Composts, their preparation, application and importance to cultivation, and how the wastes could be turned into wealth.

On 29th October 1952 I received along with the Sub-Collector, Pudukkottai, His Excellency Shri Sri Prakasa, Governor of Madras, and his party at Sri Brahadamba-Gokarneswara temple at Tirugokarnam, and explained to them the historic antiquity and archaeological importance of the shrine. by taking them round. His Excellency the Governor and his daughter Srimati Sudhavati Devi, evinced a very keen interest in the temple, and they spent an hour in going round, and in worshipping the deities.

On 15th November 1952 I gave a talk in English for 15 minutes at the All India Radio, Tiruchirappalli, in their programme for Universities on 'the Museum as an aid to visual education.'

On 28th November 1952 I accompained Sri Moti Ram Jain of the Publicity Bureau of the Government of India and the Assistant Archaeological Chemist in India, Dr. S. Paramásivan, to Sittannavasal and helped them in taking photographs of the frescoes.

On 15th December 1952 I accompanied the Hon'ble Sri M. A. Manickavel Naicker, Minister for Land Revenue, Madras, and Sri K. Rajaram Naidu, Parliamentary Secretary to the Finance Minister, Madras, to Kudumyamalai and Sittannavasal, and explained to them their historical and archaeological importance.

In the Government Training School, Pudukkottai, I addressed the students on 23rd December 1952 on visual education with special emphasis on Museum and School Garden.

In the Diamond Jubilee Celebrations of Kulapathi Baliah Middle School, Pudu kottai, from 21st to 24th February 1953 I played a prominent part in staging the exhibition. I took Sri S. Govindara ulu Naidu, Director of Public Instruction, Madras, roun the exhibition and explained to him the detai s. A few selected exhibits from the reserve collections were lent to the school for the exhibition.

Educational activities.—As Appendix B will show, 33 educational institutions visited the Museums, and the Curator and the Technical Assistant acted as their guides.

A class on Museum and its technique was conducted on 26th December 1952 to the students of the Government Training School, Pudukkottai.

Picture Gallery.—The work of labelling bilingually, in English and Tamil, the regional language, was over, and with the rearrangement of the photographs, photo-enlargements and paintings, etc., the gallery housed in the front hall attracts very many visitors.

Galleries, buildings and gardens.—Renewal of the broken glass panes of the show cases, painting their inside, and varnishing them, and mending them to make them look attractive formed the main work in the galleries. The old and worn-out lab ls were renewed, and necessary changes by way of rearrangement of the show cases were effected. Three show cases costing Rs. 28 were made for displaying better the skulls of Dog, Cat, Wild Boar, Bear, and Rat, the Scaly Ant-e ter or the Indian Pangolin (*Manis pentiadactyla*), and the Indian Porcupine (*Hystrix leucura*).

The fallen compound wall on the south-western side was re-e ected at a cost of Rs. 1,080. A sum of Rs. 500 was spent to repair the damages caused to the buildings by the cyclone on 30th November 1952.

The buildings were electrified, and a drinking water tap was installed. The Museum is thus being improved providing all possible amenities to the visitors. The gardens, as usual, are looked after by the peons in turns under the supervision of the Curator, and they continue to add their share of beauty, attractiveness and usefulness to the Museum.

Distinguished visitors.—Among the visitors listed in Appendix C special mention may be made of the Hon'ble Sri M. A. Manickavel Naicker, Minister for Land Revenue to the Madras Government, Sri K. Rajaram Naidu, Parliamentary Secretary to the Finance Minister, Sr S. A. Venka araman, I.C.S., First Member, Board of Revenue, Madras, Sri V, S. Hejmadi, I.C.S., Board Member and Famine Commissioner to the Government of Madras, and Sri S. Govindarajulu Naidu, Director of Public Instruction, Madras.

WORK IN THE SECTIONS.

Geology.—The exhibits were cleaned and rearranged with the labels renewed wherever necessary. A separate cabinet has been set up to deal with the chief minerals of Pudukkottai territory.

Botany.—The labels in the cases containing exhibits on the External morphology of plants were written bilingually i.e., in English and Tamil, the regional language. The wet and dry specimens were cleaned, and the preservative solutions were renewed wherever needed.

The specimens of teratological interest, such as the coconut twins and triplets and the quadruplets of mango and brinjal usually arrest the attention of the visitors.

Zoology.—In the Vertebrate gallery the Slender Lemur (*Loris gracilis*) was displayed better, showing it as climbing a branch of a tree. Likewise the common squirrels (*Sciurus palmarum*) were exhibited showing their running and leaping gait on the branches of trees. A Flying-fox or the Fruit-Eater Bat (*Pteropus medius*) was mounted in its flying manner. In the skeletal and skull gallery the skulls of leopard (*Felis pardus*), Chittal or spotted deer (*Axis axis*), Ibex, and Ovis poli were cleaned, and exhibited.

In the Invertebrate gallery in the Arthropoda cabinet, the large black scorpion (*Buthus afer*), the little red scorpion (*Scorpio sp.*) among Arachnida, and the Centipedes and millipedes among Myriapoda were displayed in a special case.

The King Crab (*Limulus*) belonging to the Arachnids was also cleaned from the reserve collections, and exhibited in a special case.

There was a rearrangement of the cases in the Arthropoda cabinet. In the Entomology gallery the grubs of the Mango borer beetle (*Batocera rubus*). and the Palm, or the Rhinoceros beetle (*Orycles rhinoceros*) were clearly exhibited alongside their adults.

The galleries of birds, reptiles, amphibians and fishes were slightly rearranged for presenting a better show.

Economic Section—Arts and Industries.—Cleaning the exhibits and renewal of the old and worn out labels were the main items of work.

There was a slight rearrangement of the exhibits in the 'Paintings Gallery' to present a comparative study of the paintings exhibited in it.

Ethnology.—The musical instruments were classified into the Stringed, Wind and Percussion instruments, and they were rearranged. The exhibits were labelled in English and Tamil.

In the Arms and Armour gallery a 'Bichva', a Gurkha knife with its sheath, and two Indian Boomerangs were cleaned, and added together with the old and worn-out S.B.M.L. gun of the Museum.

Cleaning the exhibits, and renewing the tabels wherever necessary were also attended to.

Epigraphy.—The English translations of the copper plate grants displayed in the section are being rendered into Tamil.

Archæology.—The Tripurasura sculpture of the Tripurantaka Murti group of stone sculptures of the 10th century A.D. from Kodumbalur which was sent to the Madras Museum for its centenary celebrations in November-December 1951 was received back with the plaster cast of Kalari-murti of the same period, and of the same place as the former. The bronze gallery was rearranged to present a better display. Labelling and numbering of the bronzes were completed. *Numismatics*: 88 silver coins have been rearranged. One hundred and three coins consisting of Ceylon copper pies and the Pudukkottai State 'Amman Kasu' were received cents, from the Tahsildar of Alangudi in Pudukkottai subdivision.

Agriculture.—The importance of this section was increased by the addition of a gallery on the Fungus diseases of crops. The Rusts and Smuts on Cereals, Sugarcane Red-rot and Smut, the Mildew on Grape-vines, the Ticca leaf spot on Groundnut and Turmeric leaf spot, the Wilt diseases of Cotton, the Frog eye-spot on tobacco, the Canker on Citrus, the Sooty mould on Sapota, the Rust on Fig, and the Leaf spot and Budrot on Palmyra were the chief specimens displayed. Their Bromide enlargements and the Fungus campaign Calendar are exhibited by their side.

The models of agricultural tools and irrigation devices were cleaned and labelled in English and Tamil.

Samples of Neem *Azadirachta indica*, Tamarind (*Tamarindus indica*) and 'Babul' (*Acacia arabica*) were added to the gallery on wood and timber used in agriculture.

The seeds and manures and fertilisers gallery was cleaned, and the samples were labelled adequately. The different oil-seeds with information on their oil contents, and their importance in daily life were usefully added to the gallery.

A sample of the compost made by the local municipality in the last compost week was exhibited with full particulars about it.

Library.—Appendix E. shows the books which were added to the library in the year. It continues to serve the Curator and the interested visitors with the same usefulness and importance as before.

Equipment including furniture and fittings: A 12 Bore D.B.B.L. gun bearing No. 00252 costing Rs. 863–4–6 was purchased for the use of the taxidermist. Seven teakwood stools, and 2 bug-proof armed chairs were purchased for Rs. 180–12–0 from the Jail department. Twe bicycle stands each to accommodate six bicycles were made locally for Rs. 25 for use by the visitors.

Staff.—Sri D. Siluvai Arul, B.A., the Technical Assistant, resigned his post, and he was relieved of his duties on the 31st October 1952. Sri G. Sivaramalingam who was appointed in his place on 5th February 1953 left it on 3rd March 1953. The post was vacant on 31st March 1953. There was no other change in the establishment.

Dr. A. Aiyappan, Superintendent, Government Museum, Madras, inspected the Museum on 24th and 25th March 1953.

Tours.—I accompanied the Superintendent, Government Museum, Madras, to Tiruchirappalli on the 25th March 1953 to inspect the Pallava rock-cut shrine in the Rock Fort. I returned to headquarters the same night.

The Taxidermist, Sri T. P. Radhakrishnan, was on leave on average pay from 2nd to 30th June 1952, and from 3rd to 6th October 1952. Peon Karuppan was on leave on average pay from 4th June to 3rd July 1952, and peon Perumal, from 8th to 27th August 1952.

GOVERNMENT MUSEUM, PUDUKKOTTAI,
30th April 1953.

T. S. SUNDARAM,
Curator.

FIG. 2.

TRIPURASUNDARI FROM KODUMBALUR, PUDUKKOTTAI.
Tamilian sculpture, early Chola period, 850–1100 A.D.

IV

CONNEMARA PUBLIC LIBRARY.

(EXCHANGES).

The number of institutions sending their journals in exchange for the Museum Bulletin was 213 and the number of different journals received from those institutions was 388. The number of standard works sent by them was 67. During the year under report, the following 9 new institutions have been added :—

(1) Librarian, University Museum, University of Pennsylvania, (2) Librarian, Societe Des Oceanistes, Musee de L'Home, Paris, (3) Director-General of Antiquities, Department of Antiquities, Bagdad. (4) Curator, Natural History Museum, Darjeeling, (5) Registrar, Agra University, (6) Information Officer, UNESCO, Science Co operation Office for South Asia, Delhi, (7) Director, Royal Oceanographic Institute, Marine Biological Station, Egypt, (8) Chief of Library, Shimonoseki College of Fisheries, Yoshimi, (9) Director, Elez ke Museum, Try ova-1, Opava, Czechoslovakia.

The undermentioned institution has been removed from the Exchange list :—

(i) The Government Archaeologist, Cochin State, Trichur.

CONNEMARA PUBLIC LIBRARY,
MADRAS,
28*th April* 1953.

K. GOVINDA MENON,
Librarian.

APPENDICES RELATING TO GOVERNMENT MUSEUM, MADRAS.

APPENDIX I.

COMPLETE LIST FOR THE YEAR 1952–53 OF TREASURE-TROVE COINS IN THE MADRAS STATE.

Treasure-trove number.	Accession number.	Particulars.	Metal.	Number found.	Number recovered.	Number acquired.
		A. Acquired by the Museum.				
527	837	Annampalli village, Gooty taluk, Anantapur district—Find of 10 gold coins—(five Mughal and five Vijayanagar Pagodas) ..	Gold.	10	10	10
529	838	Veeravasaram village, Bhimavaram taluk, West Godavari district—Find of fifteen gold coins—Roman coins	Gold.	15	15	15
533	839	Saraswatipalli village, Rayachoti taluk, Cuddapah district—Find of fifty-five gold coins—Vijayanagar Pagodas and Fanams	Gold.	55	55	55
534	841	Pattuvam amsom, Chirakkal taluk, Malabar district—Find of 77 gold coins and 10 gold pieces Abbasid Caliphs	Gold.	77	77	77
535	840	Vasanthavadai village, Vellore taluk, North Arcot district—Find of 201 silver coins—English East India Company	Silver.	201	201	2

Treasure-trove number.	Accession number.	Particulars	Metal.	Number found.	Number recovered.	Number acquired
		A. Acquired by the Museum—cont.				
550	843	Othakadai village—Madurai taluk, Madurai district—Find of 10 gold coins—Abbasid Caliphs	Gold.	10	10	10
		B. Not acquired.				
528		41, Yethukadu village, Papanasam taluk, Tanjore district—Queen Victoria East India Company rupees	Silver.	41	..	..
535		Vasanthavadi village, Vellore taluk, North Arcot district—Find of silver coins—English East India Company	Silver.	201	201	..
536		Narayanapuram village, Nandyal taluk, Kurnool district—Old silver rupee coins	Silver.	30	..	..
538		Thoppur village, Dharmapuri taluk, Salem district—Two full coins and six broken pieces	Copper and brass.	8	..	..
548		Irumbarai village, Avanashi taluk, Coimbatore district—Vorraraya Panams—Gold	Gold.	46	..	..
551		Edayakottai village, Palni taluk, Madurai district—Gold coins	Gold.	81	..	..
555		Thullukkuttinaickanur village, Tirumangalam taluk, Madurai district—Seven small round pieces	Gold.	7	..	..
556		76 Vandalur village, Nagapattinam taluk, Tanjore district—Copper coins	Copper.	..	..	..

APPENDIX II.

LIST OF TREASURE-TROVE FINDS FROM THE MADRAS STATE—COINS EXCEPTED

Treasure-trove number.	Accession number.	Particulars.
		A. Acquired by the Museum.
		Archæology.
543	190/52	Vishnu in the usual style. Bronze. Height 7".
543	191/52	Bhudevi. Bronze. Height 6".
543	192/52	Bhudevi. The *bhadrasana* is missing. Bronze. Height 5".
543	193/52	Bhudevi. Bronze. Height 3¼".
543	194/52	Dhanvantari seated. Bronze. Height 2½".
543	195/52	Alvar seated on *padmasana* over *bhadrasana* with hands in *anjali* and the hair tied into a knot behind the head. Bronze. Height 2½".
543	196/52	Alvar similar to item No. 195/52. Bronze. Height 2".
543	197/52	Alvar in the *vyakhyana* pose. The left hand is on the left lap, the palm facing up. Bronze. Height 1¼".
543	198/52	Ramanuja seated on *bhadrasana* with hands in *anjali* and a staff to his right. Bronze. Height 1½".
543	199/52	Ramanuja similar to item No. 198/52. Bronze. Height 1½".
543	200/52	Balakrishna crawling. Bronze. Height 2½".
543	201/52	Navanitakrishna dancing with left leg raised. Bronze. Height 4".
543	202/52	Navanitakrishna dancing with right leg raised. Bronze. Height 3½".

Treasure-Trove number.	Accession number.	Particulars.
		A. Acquired by the museum—cont.
		Archæology—*cont.*
543	203/52	Navanitakrishna dancing with right leg raised. Bronze. Height 3¼".
543	204/52	Navanitakrishna dancing with right leg raised. Bronze. Height 2½"
543	20./52	Serpent with five hoods enclosing a figure of Nagaraja. Bronze. Height 2½".
543	2·6/52	Lakshminarayana with Lakshmi on his left lap. Soap stone. Height 3".
543	20:/52	Gajalakshmi on separate pedestal. Gajas are not present. Soap stone. Height 2¾".
543	208/52	Venugopala with four hands and with a woman attendant on either side. Soap stone, Height 3".
543	209/52	Yoganarasimha. Soap stone. Height 3".
543	210/52	Alvar seated and in *vyakhyana* pose.
543	211/52	Ramanuja. Soap stone. Height 2".
		(Item Nos. 190/52 to 211/52 come from Munnavalkottai, Mannargudi taluk, Tanjore district.)
531	212/52	Vishnu standing on *padmasana* over *bhadrasana* wears *kiritamakuta makarakundalas yajnopavita udarabandha*, armlets, bangles and garment with folds shown by lines. Hands hold discus and conch and in *abhaya* and *varada*. The conch is broken. Bronze. Height 2' 8"; breadth 13½".
543	213/52	Sridevi stands in the *tribhanga* pose on the usual *asanas*. *Karandamakuta*, breast-band and lotus in the left hand are present. The right hand is in *lola*. The base is damaged. Bronze. Height 2' 2"; breadth 9".
543	214/52	Bhudevi similar to Sridevi of item No. 213/52 but holding lily in her right hand, left hand in *lola* and without the breast-band. The base is damaged. Bronze. Height 2' 2"; breadth 8½".
543	215/52	Vishnu stands on *padmasana* over *bhadrasana* which has rings and spikes. Conch is missing. In other respects similar to item No. 212/52. Bronze. Height 23"; breadth 8½".
5 3	216/52	A pair of *padukas*. Bronze. Length 3½"; breadth 1¼".
543	217/52	Discus on stand. but the discus is broken into two. Bronze; Height ."; breadth 1¾".
543	218/52	Circular plate with a sunken middle portion. Brass. Diameter 8½".
		(Item Nos. 212/52 to 218/52 came from Kothalangudi, Tirumayam taluk, Trichinopoly district.)
546	219/52	Head of a goddess. *Karandamakuta* is present. The nose and ears are broken. *Sirascakra* is missing. Bronze. Height 7¼"; breadth 3½". From Kalyanur, Mannargudi taluk, Tanjore district.
547	220/52	Vishnu stands on the usual *asanas*. *Kiritamakuta* and *sirascakra* are present. Holds discus and conch and *gada* in the hands. Lower right hand is in *abhaya*. Usual ornaments are present. Bronze. Height 6½"; breadth 2½"
547	221/52	Sridevi stands on the usual *asanas* in the *tribhanga* pose. *Karandamakuta* is elongated. Holds a lotus in left hand; the right is in *lola*. *Sirascakra* and other ornaments are present. (This forms a group with Vishnu of previous item but the Bhudevi of the group is missing). Bronze. Height 6¼"; breadth 2".
547	222/52	Sridevi in the usual style but of a late date. Bronze. Height 6½"; breadth 2".
547	223/52	Rama stands on *padmasana* over *bhadrasana* in the *tribhanga* pose. *Kiritamakuta*, quiver, arrow in the right hand and a bow in the left hand are present. Bronze. Height 3"; breadth 1½".
547	224/52	Navanitakrishna dancing with the right leg raised. The right hand holds the butter ball and the left hand is in *danda* pose. Bronze. Height 2½"; breadth 1½".

Treasure-trove number.	Accession number.	Particulars.
		A. Acquired by the Museum—cont.
		Archæology—*cont.*
547	225/52	Nammalvar seated on *padmasana* over *bhadrasana* with provision to receive a *prabha*, in the *vyakhyana* pose. The hair is arranged in *kondai* fashion on the left. Necklaces on the neck and flowers on the ears are present. Bronze. Height 6″; breadth 4′ 7″.
547	226/52	Ramanuja seated on the usual *asanas* and in the usual style. Bronze. Height 2¾″; breadth 1¼″.
547	227/52	Ramanuja in the usual style. Bronze. Height 2¼″; breadth 1¾″.
547	228/52	A pair of feet on *padmasana* over *bhadrasana* (The feet are of a figure which is broken and missing). Bronze. Height 2″; breadth 2¼″.
547	229/52	Dipakkal. Bronze. Length 2″.
		(Items Nos. 220/52 to 229/52 come from Vadakunemeli, Tirukoyilur taluk, South Arcot district.)
558	231/53	Tripurantakamurti. Stands in *tribhanga* pose on *padmasana* over a square plate. Wears *jatamakuta*, *makarakundala* and *patrakundala*. Four hands: the emblem in the upper right hand is missing; the upper left hand holds the deer: the two other hands are in the posture of holding a bow and arrow. Other ornaments are present. *Sirascakra* is missing. Bronze. Height 1′ 6″; breadth 10½″.
558	232/53	Devi as Tripurasundari stands in *tribhanga* on *padmasana*. The usual ornaments, etc., present. *Sirascakra* is missing. Two hands; the right hand is in *kataka* and the left hand is in *lola*. Bronze. Height 1′ 4″; breadth 5″.
558	233/53	Devi standing on *padmasana* over *bhadrasana* in the *tribhanga* pose. With other usual ornaments. A late figure. Bronze. Height 1′ 6″; breadth 5½″.
558	234/53	Prabhavali with seventeen tongues of flames and with flower designs. Bronze. Height 1′; breadth 9″.
		(Items Nos. 231/53 to 234/53 come from Tranquebar, Mayuram taluk, Tanjore district.)

Treasure-trove number.	Accession number.	Particular.
(1)	(2)	(3)
537	32	Square copper yantra.

Treasure-trove number.	Particulars.	Metal.	Number found.	Number recovered.	Number acquired.
(1)	(2)	(3)	(4)	(5)	(6)
	B. Not acquired.				
	Archæology.				
546	One copper wing with an idol attached to it.	Copper ..	1	1	Nil.
	One copper wing with figure of a snake attached to it.	Copper ..	1	1	Nil.
547	Broken chombu	Brass ..	1	1	Nil.
	Anthropology.				
532	1 Silver waist belts—2-27 tolas ..	..	2	..	Nil.
	2 Silver waist belts 1-34 tolas ..	..	1	..	Nil.
	3 Silver neck ring—1-16½ tolas ..	..	1	..	Nil.
	4 Silver bangle—1-4¾ tolas ..	..	1	..	Nil.
	5 Pieces of silver waist string—2-12½ tolas.	..	2	..	Nil.
	6 Silver chains—3 rows—1-3¾ tolas.	..	1	..	Nil.
	7 Silver ankle chain—1-21 tolas ..	..	1	..	Nil.
	8 Brass bead—1 tola	..	1	..	Nil.
	9 Silver beads—2-2½ tolas ..	..	1	..	Nil.

Treasure trove number. (1)	Particulars. (2)	Metal. (3)	Number found. (4)	Number recovered. (5)	Number acquired. (6)
	B. *Not acquired*—cont.				
532—*cont.*	Anthropology—*cont.*				
	10 Little bits of ankle chain—13-2$\frac{11}{16}$ tolas.	..	13	..	Nil.
	11 Nickel one-anna coin—1 tola ..	..	1	..	Nil.
	12 Silver ring—1-1 tola	..	1	..	Nil.
	13 Brass tumbler	..	1	..	Nil.
539	1 Gold pieces of old fashioned small ear-rings.	Alloy gold ..	2	..	Nil.
	2 Broken pieces of old silver toe rings.	..	..	..	..
540	1 Gold kammal—3	Gold	20	..	Nil.
	2 Gold waist cord bits—5 ..				
	3 Small gold bangles—7				
	4 Other bits—5				
541	1 Gold wire—1	Gold and Brass.	4	..	Nil.
	2 Small pieces of gold—2 ..				
	3 Brass lid—1				
542	1 Chombu—1	Brass ..	..	..	Nil.
	2 Torn silver sheet—1	Silver	..	..	Nil.
	3 Silver coated books	Do.	..	..	Nil.
	4 Ornamental inferior gold sheets embedded with two stones.	Gold	..	..	Nil.
	5 Inferior gold couch—1	Do.	..	..	Nil.
	6 Gold wires—2	Do.	..	..	Nil.
	7 Gold ring—1	Do.	..	..	Nil.
	8 Gold sheet for making rings ..	Do.	..	..	Nil.
	9 Gold ear-rings (one broken)—2.	Do.	..	..	Nil.
	10 Oyster shaped beads made of inferior gold—2.	Do.	..	..	Nil.
	11 Red-coloured beads made of inferior gold.	Do.	..	..	Nil.
	12 Small inferior gold wires ..	Do.	..	..	Nil.
	13 Sheets like crow feathers—3 ..	..	..	..	Nil.
	14 Small silver minji—1	Silver	..	..	Nil.
	15 Hook made of inferior white gold—1.	Gold	..	..	[illegible]
	16 White stones (one damaged) ..	..	..	..	[illegible]
	17 Red and black coral—1 ..	..	..	..	Nil.
545	Gold chains, two bits and one piece.	Do. ..	3	..	Nil.
548	1 Gold thali pottus—2	Do. ..	8	..	Nil.
	2 Gold thali-kullaran—1				
	3 Gold kannadakkam (single)—3.				
	4 Gold kannadakkam (double)—2.				
549	1 Pottukukalu—59 ..	Do. ..	72	..	Nil.
	2 Kannalu—1 pair				
	3 Pogulu—1 pair				
	4 Konpasulu—4				
	5 Godh na posolu—4				
	6 Hallo bangles—1				
552	1 Gold beads (big)—5	Do. ..	23	..	Nil.
	2 Gold beads (small)—18 ..				
553	1 A long twisted gold rod—1 ..	Do. ..	3	..	Nil.
	2 Small bits—2				
554	1 Thick gold bangles—1	Do. ..	8	..	Nil.
	2 and				
	3 Thin gold bangles—2 ..				
	4 Gold piece—1				
	5 to 8 Gold pieces—4				
557	1 Seven gold bangles of which one has a blue stone.	Do. ..	31	..	Nil.
	2 White stones—19				
	3 Small particles of gold with five small white stones.				

APPENDIX III.

OTHER NOTABLE ADDITIONS TO THE COLLECTION.

Accession number.	Particulars.
	Archaeology.
230/53	Navanitakrishna (in four pieces) dancing with right leg lifted up and supported by a lotus, made of copper. The *padmasana* is loosely fitted to a brass *bhadrasana* which is inserted to a larger, t e ed *bhadrasana* supported on four sedantlions. An elaborately worked *prabhavali* with a tree on which is shown a five-hooded serpent in the centre, is fixed to the pedestal. Purchased.
468/52 to 575/52	Wood carvings of temple cars belonging to some temples at Tanjore under the management of the Trustees of the Palace Devastanams, Tanjore. Presented by the Trustees.
600/52	Apollino in marble. "A copy (probably modern) of the Apollino, the earliest copy of which is in Florence. The original, which does not exist, was of the school of Praxiteles, 3rd century B.C.". Height 5′ 1″; breadth 23″.
601/52	Aphrodite in marble. "An 18th century French Pastiche of Aphrodite at the bath. It does not seem to be based on any definite Greek or Roman model". Height 5′ 1″; breadth 20½″.
602/52	Aphrodite in marble. "At bath; probably a Roman copy of the first or second century A.D. of the original by Doedalses of Bithynia, 3rd century B.C.". Figure. Height 2′ 10″; breadth 17″. Pedestal. Height 2″; breadth 19″; width 11½″.
	[The items Nos. 600/52 to 602/52 belonged to the late Dr. S. Rangachari's collection. Presented by Mrs. Kamala Ranghachari.—*vide* G.O. Ms. No. 415, Education, dated 2nd February 1952.]
604/53	Tripurarimurti in stone. Height 4′ 8″; breadth 1′ 7″. Stands with a slight bend at the left waist. *jatamakuta, makarakundalas*, necklaces, *channavira*, *yajnopavita*, armlets, bangles, stomach-band, girdle, broad-looped waist-bands, shorts-like lower garment, and anklets, are present. Four hands; the two upper hands hold what appear to be quivers. The lower right hand is in the *vyakhyanamudra* and the lower left hand holds a long bow. From Kodumbalur, Pudukkottai taluk, Tiruchirappalli district. Early Chola dating from 950 A.D.
605/53	Tripurasundari in stone. Height 4′ 6″; breadth 1′ 2″. Stands in *samabhanga*. Wears *jatamakuta* with a human head on it, *patrakundalas*, necklace, *yajnopavita*, *keyura*, bangles, lower garments with graceful *kacchas* and folds and *padasaras*. Two hands, the right hand holds a lily and the left is placed on the thigh. From Kodumbalur, Pudukkottai taluk, Tiruchirappalli district. Early Chola, dating from 950 A.D.
	[Items Nos. 604/53 and 605/53 are transferred from the Government Museum, Pudukkottai—*vide* G.O. Ms. No. 240, Education, dated 6th February 1953.]
606/52	Old Persian Manuscript of *Diwan Hafiz*. There are fifteen illustrations in it in the early Deccan style. Purchased from a Muslim gentleman of Hyderabad.
617/53	"Lady at Toilet", copy of a panel of mural painting in the Sri Padmanabhaswami temple at Trivandrum. Height 39½″; breadth 23½″. Purchased.
618/53	"Nataraja" (coloured), copy of a mural painting in the temple at Ettumanoor, Travancore. Height 27½″; breadth 23½″. Purchased.
619/53	"Siva and Parvati", copy of a mural painting in a temple at Tirunandikkara, Travancore. Height 34″; breadth 22″. Purchased.
141/52	An incomplete set of copper-plate grant with only the latter two of its three plates and without the ring and seal. The inscription is in old Telugu script and in Sanskrit language. It records the gift of land to a Brahmana by king Indravarman of the Eastern Ganga dynasty. The ajnapti of the grant was Ravichandraswami and the scribe was the son of Vinayachandra. The date should be contained in the missing first plate. But the king is known to have ruled in the latter part of the 6th century A.D.

Accession number.	Particulars.
	National Art Gallery.
433/52	"Woman of Bali", water colour painting by Sri Ragi Venkateswara Rao. Height 1' 2½"; breadth 11". Purchased.
434/52	"My faithful friend", water colour painting by Sri S. P. Jayakar. Height 1' 1"; breadth 7¾". Purchased.
435/52	"Luz Corner". oil painting by Sri H. V. Ram Gopal. Height 1' 9½" breadth 1' 1½". Purchased.
436/52	"Before rain", landscape in oils by Sri K. Ramamurthi. Height 1' 3¼"; breadth 11½". Purchased.
437/52	"Vidhura's Reception", water colour painting by Sri P. L. Narasimhamurti. Height [illegible]'; breadth 1' 11¼". Purchased.
438/52	"House on fire", oil painting by Sri N. Sadar. Height 2' 2"; breadth 1' 7¼". Purchased.
439/52	"Blessing", water colour painting by Sri S. Dhanapal. Height 1' 8"; breadth 1' 4½". Purchased.
440/52	"Captive Sita", water colour painting by Sri A. Balakrishnan. Height 1' 9¼"; breadth 1' 5¾". Purchased.
441/52	"Radha and Krishna" water colour painting by Sri G. V. Subba Rao. Height 2' ½"; breadth 1' 2½". Purchased.
442/52	"Lure of the flute", water colour painting by Sri Shantilal M. Shah. Height 2' ¼"; breadth 1". Purchased.
443/52	"Clouds and canals", oil painting by Sri Dasarath G. Patel. Height 1' 11¾"; breadth 2' 3½".
444/52	"Street Scene", water colour painting by Sri R. Krishna Rao. Height 1' 2" breadth 11". Purchased.
445/52	"Lovers", water colour painting by Sri R. Sarangam. Height 2' ¾"; breadth 3' 3½". Purchased.
446/52	"We three" water colour painting by Sri G. Narayanamurthi. Height 1' 5¼"; breadth 9½". Purchased.
447/52	"Message to Lord Krishna", water colour painting by Sri G. Narayanamurti. Height 11¼"; breadth 6¼". Purchased.
448/52	"Preaching Ahimsa", water colour painting by Sri L. Muniswamy. Height 1' 10¼"; breadth 9½". Purchased.
449/52	"Divine Sone", water colour painting on silk by Sri T. V. Ratnam. Height 2' 5"; breadth 1' 8¼". Purchased.
450/52 to 467/52	Eighteen volumes containing samples of textiles transferred from the Connemara Public Library.
576/52	"Study of lady" (incomplete) in water colour by Dr. A. R. Poduval. Height 17½"; breadth 10". Presented by Dr. Vimala Nair of Tirchur, the daughter of the artist.
577/52	"Bust of a man", sketch in crayon by Dr. A. R. Poduval. Height 17"; breadth 11½". Presented by Dr. Vimala Nair of Tiruchur, the daughter of the artist.
578/52 to 599/52	Twenty-two items of Mughal and Rajput paintings and sketches. Got in exchange for three stone sculptures (Subrahmanya, No. 2093, Bhairava, No. 2694 and Vishnu No. 199/47) and three Tanjore paintings (Member of Tanjore Royal family, No. $\frac{171-(4)}{43}$, Bust of a man, No. $\frac{171-(34)}{43}$, and bust of a man, No $\frac{171-(36)}{43}$, from the Museum and Picture Gallery, Baroda. *Vide* G.O. Ms. No. 1567, Education, dated 10th July 1952.
603/52	"Ragani Ramakali", early Rajput painting. Height 13¼"; breadth 9¾". Presented by Srimathi Rukmini Devi, Director, Kalakshetra, Adyar.
607/53	"Madonna", tempera painting by Sri Jamini Roy of Calcutta. Breadth 32¼"; Height 25¾". Purchased.
608/53	"Gopini", tempera painting by Sri Jamini Roy of Calcutta. Height 35¼"; breadth 17¼". Purchased.
609/53	"Young Mother", oil painting by Sri K. C. S. Panikar. Height 41"; breadth 35¼". Purchased.

Accession number.	Particulars.
	National Art Gallery—cont.
610/53	"Jawaharlal Nehru"; portrait in oils by Sri S. N. Chamkur. Height 40" breadth 31½". Purchased.
611/53	"Lotus study", in ink by Miss Jaya Appasamy. Height 32½"; breadth 13½". Purchased.
612/53	"Lotus study", in water colour by Miss Jaya Appasamy. Hieght 29½"; breadth 13½". Purchased.
613/53	"Head of Jawaharlal Nehru", etching by Sri K. Ram Mohan Sastri. Height 10"; breadth 7". Purchased.
614/53	"Vina Player", water colour painting by Sri K. Srinivasalu. Height 39"; breadth 27". Purchased.
615/53	"The Temple steps", oil painting by Sri D. P. Roy Chowdhury. Height 3' 8½"; breadth 4' 6½". Purchased.
616/53	"Victims of Hunger", bronze sculpture by Sri D. P. Roy Chowdhury. Height 1' 3½"; breadth 2' 9½". Purchased.
	Anthropology
27/52	A painted wooden shield presented to the museum by Sri K. T. Kammaran Nambiar, Koodali, North Malabar.
28/52	A painted wooden club presented to the museum by Sri K. T. Kammaran Nambiar, Koodali North Malabar.
29/52	A painted wooden sword presented to the museum by Sri K. T. Kammaran Nambiar, Koodali, North Malabar.
30/52	A model of a sailing ship the Privateer "Flame" a brig rigged armed merchant vessel of 150 tons by exchange from the City of Liverpool Public Museum, Liverpool, England.
31/52	A two-foot model of a fully rigged sailing ship presented to the Museum by M. Levi, Esq., of Bombay through the courtesy of the Director-General of Shipping, Bombay.
32/52	A copper yantra 3" × 3" with Tamil inscriptions on it obtained from Sri M. N. Bhagawan Das, Collector of Srikakulam and Honorary Correspondent, Government Museum, Madras.
33/52	A Japanese sword 94 c.m. long-single edged presented, to the Museum by Sri S. Muthukrishnan, B.A., Survey of India, Dehra Dun, as a souvenir from the Burma Area Command in 1946.
2/53	One Bushman Bull Roarer presented to the Museum by Dr. M. D. W. Jeffreys, University of Witwatersrand, South Africa.
	Botany.
116/52	One fine grass silk mat of Pattamadai. Purchased.
	Geology.
22–89 and 91–94 and 96–101/1952.	Seventy-eight specimens pertaining to the glass industry, Purchased.

Numismatics.

Accession number.	Dynasty or class.	Metal.	Number.	How acquired.
842	Mughal	Silver ..	2	Presented by Sri G. Ramakrishna, Koodali Karuppur Post, Tiruchirappalli District.
	Kushan	Copper ..	1	

Accession number.	Particulars.
	Zoology.
1/52	A specimen of *Hydrophis obscurus* presented by Mr. L. K. Ramachandran, Research Assistant, University Bio-chemistry Research Laboratory, Madras.
2/52	A specimen of *Dryophis mycterizans* collected by the Curator in charge of the Zoology Section in the Museum compound.

Accession number.	Particulars.
	Zoology—cont.
3/52	A pair of ornamented elephant tusks of *Elephas maximus* fitted on to an oral mirror on a wooden stand presented to the Museum by Mrs. Kamala Rangachari, 86, Mount Road, Madras.
4/52	A specimen of the Saw Scaled Viper *Echiscarinata* presented to the Museum by a visitor.
5/52	A specimen of a Rhinoceros horn 6" long of *Rhinoceros unicornis* presented to the Museum by Mr. T. N. Sethurama Chettiar of Pondicherry.
6/52	A specimen of the Colra *Naia tripudians*, purchased.
7/52	Two specimens of the common Karit, *Bungarus caeruleus* purchased.
8/52	A specimen of the green tree snake *Dryophis mycterizans*, purchased.
9/52	A specimen of the Saw Scaled Viper *Echis carinata*, purchased.
1/53	A single valve of the rare shall, *Tridacna spp* presented to the Museum by Mr. T. N. Sethurama Chettiar of Pondicherry.

APPENDIX IV.

VISITORS, STAFF, ETC.

Visitors to the Museum—

	1951-52.	1952-53.
Total number of visitors	462,551	379,858
Total number on Sundays	107,863	99,973
Total number on Dvadasi day	15,379	16,077
Attendance on Kannupongal day	29,652	21,312

Staff.—Dr. A. Aiyappan, Superintendent, Government Museum, Madras, was on leave on average pay for one month from 21st October 1952 to 20th November 1952 during which period Sri C. J. Jayadev, Curator for Anthropology was in additional charge of the Superintendent's duties as Superintendent-in-charge.

The Curator for Anthropology, Sri C. J. Jayadev continued to be in additional charge of the Zoological section of the Museum during this year except for a period of three months from 6th January 1953 to 5th April 1953 when he was on leave on average pay.

Sri T. V. Satyamurthi, the officiating Curator, Chemical Conservation Section was relieved of his duties with effect from 9th April 1952 to better his prospects elsewhere. Sri R. Subramanyam was appointed as officiating Curator on probation with effect from 10th April 1952. Sri V. Damodara Menon, the Office Assistants, was reverted to his parent office at the Secretariat. In his place Sri V. Gopala Menon, Officiating Upper Division Clerk of the Development Secretariat was appointed as the Office Assistant with effect from 17th April 1952.

Photographic work.—The photographer was engaged in taking prints for record and sale to the public. A sum of Rs. 815-11-0 was realized by sale of prints and enlargements as against Rs. 333-10-6 during the previous year. During the year under report 109 negatives and 391 bromide prints and enlargements were prepared.

Tours.—Under the orders of Government, the Superintendent toured to Delhi in January 1952 to attend a conference of Social Workers, Arthropologists and others. He also paid a visit to the Indian Museum and Victora Memorial at Calcutta in December 1952. He toured to Bobbil for selecting the specimens of Contuned of Arms, etc., offered to the Museum by the Rajah of Bobbili. He toured to Kattukulam to inspect the granite chambers at the site; and to Pudukkottai to inspect the working of the Government Museum, Pudukkottai. The Curators could not undertake their usual number of tours owing to pressing work to be attended to at Headquarters. The Curator for Archaeology went on tour to Nellore to examine the Jain sculptures and other antiquities in the town. He visitsd Mangalore, Karkal, Mudibidri, Udipi and Barkur, to study Jain architecture and sculpture and other antiquities relating to ancient royal dynasties that ruled over that area.

Museum Theatre.—The Museum Theatre was engaged for 222 days during this year, of which 157 were dramatic performances, etc. and the rest, rehearsals and meetings. A sum of Rs. 5,125 was realized as rent as against Rs. 4,777 in the previous year. A sum of Rs. 285 has, in addition, been credited to Government as the half-share of the fees for the caretaker's overtime attendance.

APPENDIX V.

List of Photo Negatives prepared during 1952–53.

Negative number.	Size.	Subject.
		Archæological Section.
A. XXVI (43) ..	½ ..	Tripurantakamurti (stone), Kodumbalur, Pudukkottai.
(44) ..	½ ..	Tripurasundari (stone), Kodumbalur, Pudukkottai.
(45) ..	½ ..	Tripurasura (stone), Kodumbalur, Pudukkottai.
(46) ..	½ ..	Nataraja, plaster cast of a stone figure, Kodumbalur, Pudukkottai.
(47) ..	½ ..	Siva and Sati (bronze) from Trivandrum Museum.
(48) ..	½ ..	Goose in fragment (Asokan) from Indian Museum, Calcutta.
(49) ..	½ ..	Dharmacakara worship (Bharhut) from Indian Museum, Calcutta.
(50) ..	½ ..	Bodhisattva (stone, Sanchi) from Indian Museum, Calcutta.
A. XXVII (1) ..	½ ..	Ganesa (stone) from Bhumra in the Indian Museum, Calcutta.
(2) ..	½ ..	Nagini (stone) from Orissa now in Indian Museum, Calcutta.
(3) ..	½ ..	Nataraja on bull (stone) from Bengal now in Indian Museum, Calcutta.
(4) ..	½ ..	Manasa devi (bronze) from Orissa now in Indian Museum, Calcutta.
(5) ..	½ ..	Umasahita (stone) from Orissa now in Indian Museum, Calcutta.
(6) ..	½ ..	Vishnu (bronze) from Bengal now in the Indian Museum, Calcutta.
(7) ..	½ ..	Mahishasuramardini (stone) Siva temple, Tiruvarur.
(8) ..	½ ..	Seshasayi (recent painting) in a mandapa in Tiruvarur temple.
(3) ..	½ ..	Panel of wall painting showing Sri Tyagaraja in procession in temple at Tiruvarur.
(10) ..	½ ..	Panel of wall painting showing Sri Tyagaraja's temple, Tiruvarur.
(11) ..	½ ..	Panel of wall painting showing Amman in procession, Tiruvarur.
(12) ..	½ ..	Panel of wall painting showing a dance scene in temple at Tiruvarur.
(13) ..	½ ..	Panel of wall painting showing Sri Tyagaraja in procession in temple at Tiruvarur.
(14) ..	½ ..	Panel of wall painting showing elephants in procssion in temple at Tiruvarur.
(15) ..	½ ..	Panel of wall painting showing worship of Tyagaraja, in temple at Tiruvarur.
(16) ..	½ ..	Panel of wall painting showing a dance scene, Tiruvarur temple.
(17) ..	½ ..	Panel of wall painting showing a dance scene, Tiruvarur temple.
(18) ..	½ ..	Panel of wall painting showing Indra on Iravata, Tiruvarur temple.
(19) ..	½ ..	Panel of wall painting showing worship of Tyagaraja, Tiruvarur temple.
(20) ..	½ ..	Panel of wall painting showing procession of Tyagaraja, Tiruvarur temple.
(21) ..	½ ..	Panel of wall painting showing a fighting scene, Tiruvarur temple.
(22) ..	½ ..	Panel of wall painting showing a fighting scence, Tiruvarur temple.

Negative number.	Size.	Subject.
		Archæological Section—cont.
A. XXVII (23) ..	½	.. General view of Tyagarajasvami temple, Tiruvarur.
(24) ..	½	.. Paintings by children from all countries, Shanker's Weekly Exhibition.
(25) ..	½	.. Another view of the Children's Art Exhibition.
(26) ..	½	.. Do. do.
(27) ..	½	.. Palm marks in the Nagapattinam bronzes.
(28) ..	½	.. Palm and Urna marks in the Nagapattinam bronzes.
(29) ..	½	.. Col. Lawrence and Mohamad Ali (painting).
(30) ..	½	.. Mahishamardini, a painting in the National Art Gallery.
(31) ..	½	.. Sita's bust (bronze) in the National Art Gallery.
(32) ..	½	.. Cornice of Vishnu temple near Elephant Gate, Madras.
(33) ..	½	.. Siddhartha's residence, chaitya slab, Amaravati.
(34) ..	½	.. Divya Purusha presenting payasa to Dasaratha (painting).
(35) ..	½	.. Rama and Lakshmana being sent with Visvamitra (painting).
(36) ..	½	.. School Girls visiting the State Children's Art Exhibition.
(37) ..	½	.. Lotus from the wall painting at Sittannavasal.
(38) ..	½	.. King and Queen from the wall painting at Sittannavasal.
(39) ..	½	.. Youth in a lotus pond, from the wall painting at Sittannavasal.
(40) ..	½	.. Another youth from the wall painting at Sittannavasal.
(41) ..	½	.. Dancing woman from the wall painting at Sittannavasal.
(42) ..	½	.. Bust of a Dancing woman, from the wall painting at Sittannavasal.
(43) ..	½	.. Floral design on pillar, from the wall painting at Sittannavasal.
(44) ..	½	.. Lotus designs on pillar, from the wall painting at Sittannavasal.
(45) ..	½	.. Elephant in a lotus pond, from the wall painting at Sittannavasal.
(46) ..	½	.. Marble sculpture of Apollino from Italy, front view.
(47) ..	½	.. Do. view from right.
(48) ..	½	.. Do. back view.
(49) ..	½	.. Do. view from left.
(50) ..	½	.. Marble sculpture of standing Aphrodite, from Italy, front view.
A. XXVIII (1) ..	½	.. Marble sculpture of standing Aphrodite from Italy, view from right.
(2) ..	½	.. Marble sculpture of standing Aphrodite from Italy, back view.
(3) ..	½	.. Marble sculpture of standing Aphrodite from Italy, view from left.
(4) ..	½	.. Marble sculpture of seated Aphrodite from Italy, front view.
(5) ..	½	.. Marble sculpture of seated Aphrodite from Italy, view from right.
(6) ..	½	.. Marble sculpture of seated Aphrodite from Italy, back view.
(7) ..	½	.. Marble sculpture of seated Aphrodite from Italy, view from left.
(8) ..	½	.. Marble sculpture of seated Aphrodite on pedestal from Italy, front view.
(9) ..	½	.. Gommatesvara, Karkal, South Kanara district.
(10) ..	½	.. Neminatha, Karkal, South Kanara district.

Negative number.	Size.	Subject.
		Archæological Section—cont.
A. XXVII (11) ..	½	.. Manastambha, in front of Neminatha's shrine, Karkal, South Kanara district.
(12) ..	½	.. Gommatesvara, Venur, South Kanara district.
(13) ..	½	.. Anantesvara shrine, Udipi, South Kanara district.
(14) ..	½	.. Large and small temple cars near Krishna temple, Udipi.
(15) ..	½	.. Middle and small size temple cars, Udipi, South Kanara district.
(16) ..	½	.. Main part of large temple car, Uidipi, South Kanara distrirt.
(17) ..	½	.. Panchalingesvara apsidal temple, Barkur, South Kanara distrit.
(18) ..	½	.. Subrahmanya as Kumara in the above temple, Barkur, South Kanara district.
(19) ..	½	.. Kalchappram, Barkur, South Kanara district.
(20) ..	½	.. Siva temples at Chowlikere, Barkur, South Kanara district.
(21) ..	½	.. Siva temple (box-shaped, Barkur, South Kanara district.
(22) ..	½	.. Siva temples and ruined Jain Bastis, Barkur, South Kanara district.
(23) ..	½	.. Mahishasura temple, Shediguddde, Barkur, South Kanara district.
(24) ..	½	.. Wooden figure with five bull heads each with a single horn in the above temple, Barkur, South Kanara district.
(25) ..	½	.. Wooden figure of Ekasringi, Barkur, South Kanara district.
(26) ..	½	.. Wooden figure of a composite figure called Nandikona Barkur, South Kanara district.
(27) ..	½	.. Wooden post topped with a mud pot in front of the above temple, Barkur, South Kanara district.
(28) ..	½	.. Fort area, Barkur, South Kanara district.
(29) ..	½	.. Bhairava or Kshetrapala at the South-west corner of the above Fort, Barkur, South Kanara district.
(30) ..	½	.. Venugopala in the temple within the compound of Sri K. Yagnarayana Rao, Barkur, South Kanara district.
(31) ..	½	.. Durga, Barkur, South Kanara district.
(32) ..	½	.. Revanta (Ayyanar), Barkur, South Kanara district.
(33) ..	½	.. Memorial stone with two women and a man, Barkur, South Kanara district.
(34) ..	½	.. Memorial stone with men and women, Barkur, South Kanara district.
(35) ..	½	.. Memorial stone with dancing and music scenes, Barkur, South Kanara district.
(36) ..	½	.. Memorial stone with Mastikkal, Barkur, South Kanara district.
(37) ..	½	.. Small wooden temple car near Somesvara temple, Barkur, South Kanara district.
A. VI (47) ..	¼	.. Back view of Gommatesvara at Venur, South Kanara district.
(41) ..	¼	.. Karvetnagar Panchanada Stapati's father.
(42) ..	¼	.. Three marble sculptures presented by Mrs. Rangachari.
(43) ..	¼	.. Mandapa near Vishnu temple, Nellore.
(44) ..	¼	.. Jain Trithankara, Nellore.
(45) ..	¼	.. Pallava Vishnu, Villupuram Taluk Office.
(46) ..	¼	.. Pedestal with a pair of feet, treasure-trove.
A. F (174) ..	¼	.. Metal images, Tambikkottai, Tanjore district.
(175) ..	¼	.. Metal image and articles, treasure-trove.

Negative number.		Size.	Subject.
			Archæological Section—cont.
A.F.	(176)	¼	Metal image and articles, treasure-trove.
	(177)	¼	Metal image and articles, treasure-trove.
	(178)	½	Nataraja and Devis, Sivapuram, Tanjore; Treasure-trove.
	(179)	½	Somaskanda, Ganesa, etc., Sivapuram, Tanjore, Treasure-trove.
	(180)	¼	Eight metal images, Tiruvenkadu Treasure-Trove.
	(181)	¼	Stone figure of Trithankara, Kozhikod›, Collector's Office.
	(182)	¼	Metal images of Natesa, etc. treasure-trove.
	(183)	¼	Metal images of Tripurari, etc., Tranquebar, Tanjore district, treasure-trove.
	(184)	¼	Metal image of Devi with prabha, Tanjore district, treasure-trove.
	(185)	¼	Metal image of Tripurari, Tranquebar, Tanjore district, treasure-trove.
	(186)	¼	Metal image of Devi, Tranquebar, Tanjore district, treasure trove.
	(187)	¼	National Art Gallery, Main Hall (film got from the Mail).
	(188)	¼	Natesa, Siva and Uma in the National Art Gallery (film got from the Mail).
	(189)	¼	Mahishamardini painting in the National Art Gallery (film got from the Mail).
	(190)	¼	Ivory carvings in the National Art Gollery (film got from the Mail).
	(191)	2¼″ × 2¼″	Chaitya slab, Amaravati (got from Dr. Stella Kramrisch).
	(192)	2¼″ × 2¼″	Medallion with Bandhuma story, Amaravati (got from Dr. Stella Kramrisch).
	(193)	2¼″ × 2¼″	Mara's host attacking Siddhartha, Amaravati (got from Dr Stella Kramrisch).
	(194)	2¼″ × 2¼″	Fragment showing four heads of men, Amaravati (got from Dr. Stella Kramrisch).
	(195)	2¼″ × 2¼″	Fragment showing siege of Krusinagara, Amaravati (got from Dr. Stella Kramrisch).
	(196)	2¼″ × 2¼″	Head offering stone sculpture (got from Dr. Stella Kramrisch).
	(197)	2¼″ × 2¼″	Nagakkal, stone sculpture (got from Dr. Stella Kramrisch).
	(198)	2¼″ × 2¼″	Chaturmukha Jain temple at Karkal, South Kanara district.
	(199)	2¼″ × 2¼″	Anantapadmanabha temple, Karkal, South Kanara district.
	(200)	2¼″ × 2¼″	Gommatesvara at Venur, South Kanara district.
	(201)	2¼″ × 2¼″	Parsvanatha shrine at Venur, South Kanara district.
	(202)	2¼″ × 2¼″	Balarama shrine at Vada Bhandesvara near Udipi.
	(203)	2¼″ × 2¼″	Venugopala Shrine at Barkur, South Kanara district.
			Anthropology.
E. XXII	(16)	¼	Swaramandala.
	(17)	½	Burmese harp.
	(18)	¼	Nanduni.
			Botany.
B. XI	(32)	¼	Section of a large teakwood trunk.
	(33)	¼	Section of a large rosewood trunk.
			Chemical Conservation.
C.I.	(16)	¼	Microphotographic picture of ancient bronze.
	(17)	¼	Do.
	(18)	¼	Do.

APPENDIX VI.

PRICE LIST OF MADRAS GOVERNMENT MUSEUM BULLETINS (NEW SERIES).

NOTE.—Orders for copies of the publications should be accompanied by remittance to cover the cost and postage For trade terms, the Superintendent, Government Press, Madras, should be addressed.

Volume and number.	Description.	Number of pages.	Number of plates.	Price. RS. A. P.
	Natural History Section.			
* Vol. I, No. 1, 1927.	The Littoral Fauna of Krusadai Island in the Gulf of Manaar, with appendices on the vertebrates and plants. By various authors.	196	26	8 0 0
† Vol. I, No. 2 Part 1, 1930.	Supplement to the Littoral Fauna of Krusadai Island in the Gulf of Manaar—Polychæta by P. Fauvel, Pycnogonida by B. Sundara Raj, and Alpheidæ by F. H. Gravely.	79	1	2 0 0
† Vol. I, No. 2, Part 2, 1931.	Three Species of Alcyonaria. By Sydney J. Hickson, F.R.S. (with three text figures).	9	Nil.	0 4 0
† Vol. I, No. 2, Part 3, 1936.	Scyphomedusæ of Krusadai Island. By M. G. K. Menon, M.A.	9	1	0 8 0
† Vol. I, No. 2, Part 4, 1937.	Supplement to the Littoral Fauna of Krusadai Island in the Gulf of Manaar—Porifera. By M. Burton, D.SC.	58	9	1 14 0
† Vol. I, No. 2, Part 5, 1943.	The Foraminifera of Krusadai Island in the Gulf of Manaar. By C. P. Gnanamuthu, M.A., D.SC., F.Z.S.	21	4	1 6 0
* Vol. II, 1929.	The Flowering Plants of the Madras City and its immediate neighbourhood. By P. V. Mayuranathan, B.A., Botanical Assistant, Madras Museum.	345	38	8 0 0
* Vol. III, No. 1, 1930.	The Scyphomedusæ of Madras and the neighbouring coast. By M. G. K. Menon, M.A., Research Scholar, Madras University Zoological Laboratory.	28	3	1 2 0
Vol. III, No. 2, 1932.	The Hydromedusæ of Madras. By M. G. K. Menon, M.A.	32	3	1 2 [illegible]
Vol. III, No. 3, 1933.	The Life-Histories of Decapod Crustacea from Madras. By M. Krishna Menon, M.A.	45	10	Bound in one volume.
Vol. III, No. 4, 1933.	Sagitta of the Madras Coast. By C. C. John, M.A., D.SC.	10	1	2 6 0
Vol. III, No. 5, 1937.	Decapod Larvæ from the Madras Plankton. By M. Krishna Menon, M.A., M.SC.	55	9	1 14 0
Vol. III, No. 6, 1940.	Decapod Larvæ from the Madras Plankton—II. By M. Krishna Menon, M.A., M.SC.	47	8	1 8 0
Vol. IV, No. 1, 1931.	The Indian Species of Genus Caralluma (Fam. Ascepiadaceæ). By F. H. Gravely, D.SC., and P. V. Mayuranathan, B.A., Government Museum, Madras.	28	4	1 8 0
Vol. IV, No. 2, 1936.	Supplement to the Flowering Plants of Madras City and its immediate neighbourhood, By E. Barnes, D.SC.	46	7	1 10 0

* Volumes ready for binding. Title page and list of contents separately issued.
† This number is reserved for supplements to Krusadai Island Fauna.

Volume and number.	Description.	Number of pages.	Number of plates.	Price.
	Natural History Section—cont.			
				RS. A. P.
† Vol. V, No. 1, 1941.	Shells and other Animal Remains found on the Madras Beach. I. Groups other than snails, etc. By F. H. Gravely, D.SC.	112	Nil.	3 2 0
† Vol. V, No. 2, 1942.	Shells and other Animal Remains found on the Madras Beach. II. Snails, etc. (Mollusca Gastrapoda). By F. H. Gravely, D.SC.	110	Nil.	2 12 0
Vol. VI, No. 1, 1949.	The Thaliacea of the Madras Plankton. By R. Velappan Nair, M.SC.	41	6	1 12 0
‡ Vol. I, No. 2, Pt-6.	Amphineura and Gastropoda of Krusadai Island. By Thomas Satyamurti, M.A.	267	34	10 12 0
	General Section (with separate volumes for Anthropology and Archæology respectively).			
* Vol. I, No. 1, 1929.	Buddhist Sculptures from a Stupa near Goli village, Guntur district. By T. N. Ramachandran, M.A.	44	4	2 12 0
* Vol. I, No. 2, 1932.	Catalogue of the South Indian Hindu Metal Images in the Madras Government Museum. By F. H. Gravely, D.SC., and T. N. Ramachandran, M.A.	144	23	5 8
* Vol. I, No. 3, 1934.	Tiruparuttikundram and its temples, with appendices on Jaina units of measurement and time, cosmology and classification of souls. By T. N. Ramachandran, M.A.	260	37	11 4 0
* Vol. II, No. 1, 1930.	The Adichanallur skulls. By S. Zuckerman, M.A., M.R.C.S., L.R.C.P., with Notes by Prof. G. Elliot Smith, F.R.S.	24	3	1 6 0
* Vol. II, No. 2, 1931.	The Sri Vaishnava Brahmans. By Diwan Bahadur K. Rangachari, M.A., L.T.	158	12	5 12 0
* Vol. II, No. 3, 1931.	Catalogue of the Musical Instruments exhibited in the Government Museum, Madras. By P. Sambamurthi, B.A., B.L.	25	9	2 8 0
* Vol. II, No. 4, 1937.	Social and Physical Anthropology of the Nayadis of Malabar. By A. Aiyappan, M.A.	141	12	3 2 0
Vol. III, No. 1, 1934.	The Three Main Styles of Temple Architecture recognized by the Silpasastras. By F. H. Gravely, D.SC., and T. N. Ramachandran, M.A.	26	2	1 0 0
Vol. III, No. 2, 1936.	An Outline of Indian Temple Architecture. By F. H. Gravely, D.SC.	23	1	0 14 0
Vol. III, No. 3, 1938.	Catalogue of Venetian Coins in the Madras Government Museum. By T. G. Aravamuthan, M.A., B.L.	59	1	1 8 0
1939	Guide to the Archæological Galleries. An Introduction to South Indian Temple Architecture and Sculpture. By F. H. Gravely, D.SC., and C. Sivaramamurti, M.A., and other Curators.	48	4	1 0 0
1939	Illustrations of Indian Sculpture—Mostly Southern. For use with the Guide to the Archæological Galleries. By F. H. Gravely, D.SC., and C. Sivaramamurti, M.A.	..	45	1 0 0

* Volumes ready for binding. Title page and list of contents separately issued.
† Volumes ready for binding. Title page and list of contents separately issued, for Volume III.
‡ Volumes are in the press.

Volume and number.	Description.	Number of pages.	Number of plates.	Price.
General Section (with separate volumes for Anthropology and Archæology respectively)—cont.				
				RS. A. P.
* Vol. IV, 1942.	Amaravati Sculptures in the Madras Government Museum. By C. Sivaramamurti, M.A.	376	65	14 8 0
Vol. V, No. 1, 1944.	Iravas and Culture Change. By A. Aiyappan, M.A., PH.D. (London).	204	12	16 10 0
Vol. VI, No. 1, 1951.	Possible Sumerian Survivals in Toda Ritual. By H.R.H. Prince Peter of Greece, M.A. (Hry) LLD.	24	10	6 4 0
	Madras Government Museum Centenary Souvenir (1851-1951).	158	12	5 0 0
† Vol. III, No. 4.	Indian Epigraphy and South Indian Scripts. By C. Sivaramamurti, M.A.	280	12	14 8 0
	Guide to the Buddhist Antiquities. By A. Aiyappan and P. R. Srinivasan.	58		1 10 0
	† Negapatam Bronzes. By T. N. Ramachandran.			

Description.	Price.
CATALOGUES (OLD SERIES).	
	RS. A. P.
1. Catalogue of Prehistoric Antiquities—By R. Bruce Foote—1901 ..	5 4 0
2. The Foote Collection of Indian Prehistoric and Protohistoric Antiquities. Catalogue Raisonne—By R. Bruce Foote—1914	2 0 0
3. Catalogue of Prehistoric Antiquities from Adichanallur and Perumbair—By A. Rea—1915	1 8 0
4. The Foote Collection of Indian Prehistoric and Protohistoric Antiquities. Notes on their Ages and Distribution—By R. Bruce Foote—1916	9 12 0
5. Catalogue of Exhibits in the Economic Products Section except wood specimens—By S. N. Chandrasekhara Ayyar—1921	2 12 0
6. Catalogue of the coins of Haider Ali and Tippu Sultan—By J. R. Henderson—1921	4 0 0
7. Catalogue of copper-plate grants	0 14 0
8. Gramophone records of the languages and dialects of the Madras Presidency. Text of Passages	1 4 0
9. Catalogue of Batrachia, Salientia and Apoda (Frogs, Toads and Coecilians of South India)—By E. Thurston—1888	2 8 0
10 Guide to the Natural History and Mineral Galleries—1890	0 2 0
11. Science Series No. 1—Preliminary Report on the Marine Fauna of Rameswaram—1887	0 10 0
12. Coins of Sultans of Delhi—By E. Thurston—1893	0 3 0

Volume and number.	Description.	Price.
	BULLETINS (OLD SERIES).	
		RS. A. P.
1. No. 1	Pearl and Chank Fisheries in the Gulf of Manaar. By E. Thurston—1894	1 4 0
2. No. 3	Rameswaram Island and Fauna of the Gulf of Manaar. By E. Thurston—1895 ..	1 8 0
3. Vol. II, No. 1 ..	Anthropology: Badagas and Irulas of the Nilgiris, Paniyans of Malabar; A Chinese-Tamil Cross. A Cheruman skull; Kuruba or Kurumba; summary of results. By E. Thurston—1897	2 0
4. Vol. II, No. 2 ..	Anthropology: Eurasians of Madras and Malabar; Note on their Tattooing, etc. By E. Thurston—1898	1 0 0

* Volumes ready for binding. Title page and list of contents separately issued.
† Volumes are in the press.

Volume and number.	Description.	Price.
	BULLETINS (OLD SERIES)—*cont.*	RS. A. P.
5. Vol. III, No. 2 ..	The Sea Fisheries of Malabar and South Kanara. By E. Thurston—1900	1 4 0
6. Vol. III, No. 3 ..	Anthropology: Nayars of Malabar. By F. Fawcett—1901	1 8 0
7. Vol. IV, No. 2 ..	Anthropology: The Dravidian Head; Yanadis of Nellore—1902	1 0 0
8. Vol. IV, No. 3 ..	Anthropology: Some Marriage Customs in S. India; Deformity and Mutilation; Uralis, Sholagas and Irulas; Fire-walking in Ganjam, Corporal punishment in vernacular schools—1903	0 12 0
9. Vol. V, No. 1 ..	Anthropology: Vision of the Uralis and Sholagas; More marriage customs in Southern India; Hookswinging, Palayans—1903	1 0 0

APPENDIX VII.

RECEIPTS AND EXPENDITURE.

Government Museum.

A. Receipts.

	RS.	A.	P.
Sale of coins and plaster cast of coins	638	2	0
Sale of photo-prints and copyright fees for reproduction	815	11	0
Sale of publications	1,047	12	0
Sales tax on publications	14	2	0
Rent for the use of the Museum Theatre	5,125	0	0
Overtime fee for the Theatre caretaker	285	0	0
Miscellaneous receipts	114	8	0
Total ..	8,040	3	0

B. Expenditure.

	RS.	A.	P
Pay of Officers—Voted—			
Superintendent, Government Museum and Associate Librarian, Connemara Public Library.	10,288	0	0
Pay of Establishment	14,567	0	0
Other charges—Voted—			
Rates and Taxes	28,335	0	0
Travelling Allowances	1,037	0	0
Other Compensatory	7,586	0	0
Dearness Allowance	22,787	0	0
Pay of Menials	2,579	0	0
Furniture and Fittings	6,146	0	0
Apparatus and Materials	3,674	0	0
Cost of specimens	28,486	0	0
Other contingencies	14,105	0	0
Dearness Allowance to Menials	6,132	0	0
Other Charges	2,022	0	0
Madras Allowance to Menials	442	0	0
Total ..	1,48,186	0	0

APPENDIX VIII.

RULES FOR TAKING PHOTOGRAPHS OF THE EXHIBITS IN THE MUSEUM BUILDINGS AND THE NATIONAL ART GALLERY, MADRAS, AND FOR REPRODUCTION OF PHOTOGRAPHS.

(G.O. Ms. No. 690, Education, dated 28th March 1953).

1. No photography is permitted inside the Government Museum or the National Art Gallery build ngs :

Provided that applications from authors, scholars and others specially interested in cultural studies, for taking photographs of the exhibits in the Government Museum or the National Art Gallery will be considered on merits in special cases in which reasons to the satisfact on of Government are given for the requests.

2. No fee will be charged for taking exteriort views of the Museum and the National Art Gallery buildings with hand-cameras (still), without the use of stand. But photography of exterior views of the buildings using movie cameras of 16 m.m. or less format will be permitted on payment of a fee of Rs. 10 per day, and movie cameras using standard 35 m.m. film will be permitted on payment of a fee of Rs 15 per day. Application for this permission should be submitted to the Superintendent, Government Museum.

3. The copyright of all photographs of objects in the Government Museum vests in the Government ; and no such photograph can be reproduced or published without the prior permission of the Superintendent, Government Museum.

4. No one shall reproduce any illustration or photograph contained in a publication of the Government Museum or the Nat onal Art Gallery, without the written permission of the Superintendent, Government Museum.

5. Photographs for purposes of reproduction will be charged for at the rate of Rs. 5 per photograph, irrespective of size, provided there is no objection to reproduction [G.O. No. 823, Public (General), dated 8th July 1930], with the exception of those of objects photographs of which have already been published not less than two years before or of objects the publication of which is, in the opinion of the Superintendent, specially desirable to facilitate in the interests of research [G.O. No. 281, Public (General), dated 29th March 1933].

K. M. UNNITHAN,
Secretary to Government, Education Department.

APPENDICES RELATING TO THE GOVERNMENT MUSEUM, PUDUKKOTTAI.

APPENDIX A.

STATEMENT SHOWING THE NUMBER OF VISITORS TO THE MUSEUM DURING THE YEAR 1952–53.

Months.	Literates.		Illiterates.		Purdah ladies.	Students and teachers.			Grand total.
	Males.	Females.	Males.	Females.		Teachers.	Boys.	Girls.	
1952									
April	1,276	906	3,795	4,018	44	2	27	16	10,196
May	1,708	1,054	4,562	5,027	72	1	18	..	12,351
June	1,523	948	3,682	3,876	58	..	..	..	10,009
July	1,844	973	4,277	4,766	59	7	144	..	11,860
August	1,574	888	3,658	3,865	55	8	92	..	9,965
September	1,322	700	2,661	2,806	55	17	218	40	7,498
October	1,484	854	3,673	3,878	54	6	56	6	9,889
November	1,802	921	3,650	3,854	38	35	430	98	10,227
December	1,272	670	3,309	3,500	49	64	..	..	8,751
1953									
January	1,243	691	3,250	3,438	37	3	49	..	8,6[illegible]
February	1,376	751	3,213	3,421	52	15	68	11	8,761
March	1,503	933	3,655	3,851	34	23	116	109	9,[illegible]
	18,127	10,298	43,375	46,300	607	181	1,212	265	118,109

APPENDIX B.

LIST OF EDUCATIONAL INSTITUTIONS WHICH VISITED THE MUSEUM IN 1952–53.

1 Elementary School, Tiruvappur, Pudukkottai.
2 L.M. Orphanage, Perambalur, Tiruchirappalli district.
3 C.S.M. High School, Pudukkottai.
4 Board High School, Arimalam.
5 Board High School, Arantangi.
6 Ambika High School, Golden Rock, Tiruchirappalli.
7 N.M. Board High School, Tiruppattur.
8 Government Syed Murthuza High School, Tiruchirappalli.
9 Municipal Middle School, Karaikudi.
10 C.S.M. High School, Pudukkottai.
11 Municipal High School, Karaikudi.
12 Government Syed Murthuza High School, Tiruchirappalli.
13 A.V. School, Sandaipettai, Pudukkottai.
14 Board High School, Lalgudi.
15 Girls Christian High School, Tanjore.
16 St. Joseph's R.C.A. Elementary School, Sivaganga.
17 A.V. School, Sandaipettai, Pudukkottai.
18 S.G.P. School, Visvanathapuram.
19 Sri Sarada Secondary School, Pudukkottai.
20 Board High School, Kulittalai.
21 De Britto High School, Devakottai.
22 Elementary School, Sandapettai, Pudukkottai.
23 Board High School, Pattukkottai.
24 Pupil Teacher of the Government Training School, Pudukkottai.
25 St. John De-Britto Higher Elementary School, Puliyal (Ramanathapuram district).
26 Chittal Achi Memorial Elementary School, Kandanur.
27 Selvavinayagar Kalvichalai, Kothamangalam.
28 N.M. Board High School, Tiruppattur.
29 S.C.M. Vidyasalai, Kuruvikondanpatti.
30 Girls' Christian High School, Tanjore.
31 R.C. Higher Elementary School, Illuppur.
32 Elementary School, Hirandayapuram.
33 Bishop Heber High School, Puthur, Tiruchirappalli.

APPENDIX C.

DISTINGUISHED VISITORS.

1 Prof. M. Ekambaranatha Ayyar of the Zoology Department, Dr. A. C. College, Karaikudi, visited the museum on 8th April 1952.

2 Dr. David, Civil Surgeon of the local hospital, visited the museum on 9th April 1952.

3 Nutrition Research Officer, Coonoor, visited the museum on 9th April 1952.

4 The District Superintendent of Police, Tiruchirappalli visited the museum on 29th April 1952.

5 Sri T. S. Sadasiva Reddy, Revenue Divisional Officer, Tiruchirappalli, visited the museum on 1st May 1952.

6 Sri C. Govinda Nair, Joint Director of the Town Planning, Government of Madras, visited the museum on 13th May 1952.

7 Sri V. S. Hajmadi, I.C.S., Famine Commissioner to the Government of Madras, visited the museum on 15th July 1952.

8 Srimathi N. Devanayaki, Inspectress of Girls Schools, IV Circle, Salem, visited the museum on 16th July 1952.

9 Sri S. A. Venkataraman, M.A., I.C.S., First Member, Board of Revenue, Madras, visited the Museum, 20th October 1952.

10 Mrs. and Mr. K. G. Subramanyam of the Department of Fine Arts, visited the museum on 8th November 1952.

11 Mr. Lobo the local District Munsif, and his cousin Mr. Saldana from London, visited the museum on 14th November 1952.

12 The Hon'ble Sri M. A. Manickavel Naicker, Minister for Land Revenue, Madras Government, and Sri K. Rajaram Naidu, M.L.A., Parliamentary Secretary to the Hon'ble Minister for Finance, visited the museum on 14th December 1952.

13 Sri K. J. Somasundaram, Assistant Settlement Officer, Pudukkottai, visited the museum on 29th January 1952.

14 Sri S. Subramanyam, Manager, Divisional Engineer, Highways, Tiruchirappalli, visited the Museum, on 7th February 1953.

15 Sri V. Ramiah, B.A., Secretary, Pudukkottai Congress Committee, and Ex-M.P., visited the Museum, on 14th February 1953.

16 Sri S. Govindarajulu Naidu, Director of Public Instruction, Madras, visited the Museum, on 23rd February 1953.

APPENDIX D.

SPECIMENS ADDED TO THE MUSEUM DURING THE YEAR 1952–53.

Serial number and name of specimen.	Number.	Remarks.
1 Small coins (seems to be alloy)	53	Presented by the Tahsildar, Alangudi Taluk office, Pudukkottai.
2 Ceylon 10 cents	1	
3 Copper coins 3 pies 1885	1	
4 Single pies	2	
5 Like Amman Kasu (copper)	17	
6 Small coins seems to be alloy	27	
7 Copper coins, small	2	

APPENDIX E.

BOOKS ADDED TO THE LIBRARY.

Serial number and title.	Number of copies.	Remarks.
Books presented.		
1 Department of Archæology Epigraphia Indica, Vol. XXVI, part VII	1	
2 Department of Archæology Epigraphia Indica, Vol. XXVI, part VIII	1	
3 Centenary Souvenir 1851–1951	1	Government Museum Madras.
4 Journal Cag	1	
5 Journal of Sri Venkateswara Oriental Institute, Tirupati, Vol. XII, No. 2	1	
6 Journal of Sri Venkateswara Oriental Institute, Tirupati, Vol. XIII, No. 1	1	
7 Annals of the Bhandarkar Oriental Research Institute, Vol. XXXII	1	
8 Administration Report of Museums, Zoos, and Government Garden Department	1	
9 Tirumalai-Tirupati Devasthanam— Vol. III, No. 4 ..	1	
10 Do. Vol. III, No. 5 ..	1	

Serial number and title.	Number of copies.	Remarks.
Books presented—cont.		
11 Tirumalai Tirupati Devastanam— Vol. III, No. 6 ..	1	
12 Do. Vol. III, No. 7 ..	1	
13 Do. Vol. III, No. 8 ..	1	
14 Do. Vol. III, No. 9 ..	1	
15 Do. Vol. III, No. 10 ..	1	
16 Do. Vol. III, No. 11 ..	1	
17 Do. Vol. III, No. 12 ..	1	
18 Do. Vol. IV, No. 1 ..	1	
19 Do. Vol. IV, No. 2 ..	1	
20 Do. Vol. IV, No. 3 ..	1	
21 Printing Manual, part III	1	
22 Madras Manual of Special Pay and Allowance, Vol. II, Appendices to part I	1	
Journals subscribed.		
23 Journal of the Indian Museums, Vol. VIII	1	
24 Marg Magazine, Vol. VI, No. 1	1	
25 Do. Vol. VI, No. 2	1	
26 Do. Vol. V, No. 3	1	
27 Do. Vol. V, No. 4	1	
28 Man in India, Vol. XXXII, No. 2	1	
29 Do. Vol. XXXII, No. 3	1	
30 Do. Vol. XXXII, No. 4	1	
31 The Journal of the Numismatic Society of India, Vol. VII, parts I and II	1	
32 The Journal of the Numismatic Society of India, Vol. XIII, part II	1	
33 Journal of Bombay Natural History Society, Vol. 50, No. 3	1	
34 Journal of Bombay Natural History Society, Vol. 50, No. 4	1	
35 Journal of Bombay Natural History Society, Index and title page, Vol. 49, Nos. 1 and 2	1	
36 Journal of Bombay Natural History Society, Vol. 51, No. 1	1	
37 Journal of Bombay Natural History Society, Index and title page, Vol. 49, Nos. 3 and 4	1	
Books purchased.		
38 Archæology in India	1	
39 Bulletin of the Prince of Wales Museum of Western India, ...	1	
40 Mammalia of India	1	
41 Indian Molluscs	1	

EDUCATION DEPARTMENT

G.O. No. 1470, 18th June 1953

Museum—Administration Report of the Government Museum, Madras, and the Government Museum, Pudukkottai, for the year 1952-53—Recorded.

READ—the following paper:—

From the Superintendent, Government Museum, Madras, dated 21st May 1953, No. 1859/53-R-2.

Order—No. 1470, Education, dated 18th June 1953.

Recorded.

2. The Government Museum continued its educational work during the year under review. Two batches of teachers were given intensive training in Museum Technique for a period of 15 days during May and June 1952; this course has now become a regular annual activity of the Museum.

3. The Museum Committee and the Special Committee for the National Art Gallery were continued during the year and they transacted many important items of business. An *ad hoc* committee with the Superintendent, Government Museum, as Convener, the Director of Public Instruction, and 13 teachers from the schools in the city of Madras as members was also set up to work out the details for the opening of the Children's Section proposed to be organized in the Museum.

4. During the year under review, the total number of visitors to the National Art Gallery was 60,768, the daily average being 194. Among the visitors were distinguished persons from foreign countries and they have left on record their views in highly appreciative terms about the Art Gallery.

5. An exhibition of the paintings done by school children of eleven age groups, between 5 and 16, was conducted on the occasion of the celebration of the Annual day of the National Art Gallery. One hundred and twenty-two schools participated in the exhibition by sending about 1,500 pictures and prizes were awarded for the best pictures in the above age-groups. From all reports, the Government observe that the general public evinced keen interest. The exhibition was visited by over 24,000 persons among whom a majority were school children.

6. Many valuable gifts had been made in the year for exhibition in the Government Museum and the National Art Gallery. The Government wish to express their deep sense of gratitude to all the donors.

7. The Government observe that the daily average attendance in th[e] Government Museum, Pudukkottai, during the year was 424 as against 41[illegible] in 1951–52 and that institution continued to be popular.

(By order of the Governor)

K. M. Unnithan,
Secretary to Government.

To the Superintendent, Government Museum.
" Director of Public Instruction.
" Accountant-General.
" Director-General of Archæology in India, New Delhi.
" Revenue Department.
" Development Department.
" Librarian, Madras Legislature Library.
" Secretariat Library.
Press.